

CALIFORNIA MOTOR VEHICLE STOCK, TRAVEL AND FUEL FORECAST



California Department of Transportation

Division of Transportation System Information

December 2006

This page intentionally left blank.

**CALIFORNIA
MOTOR VEHICLE STOCK, TRAVEL AND FUEL
FORECAST**

**GOVERNOR ARNOLD SCHWARZENEGGER
STATE OF CALIFORNIA**

**BARRY SEDLIK, ACTING SECRETARY
BUSINESS, TRANSPORTATION AND HOUSING AGENCY**

**WILL KEMPTON, DIRECTOR
DEPARTMENT OF TRANSPORTATION**

**DIVISION OF TRANSPORTATION SYSTEM INFORMATION
OFFICE OF TRAVEL FORECASTING AND ANALYSIS
STATEWIDE MODELING BRANCH**

DECEMBER 2006

This report was prepared in cooperation with the
U.S. Department of Transportation
Federal Highway Administration

This page intentionally left blank.

**CALIFORNIA
MOTOR VEHICLE STOCK, TRAVEL AND FUEL
FORECAST**

DECEMBER 2006

For individuals with sensory disabilities, this document is available in Braille, large print, on audiocassette, or computer disk. To obtain a copy in one of these alternate formats, write to the Caltrans Division of Transportation System Information, Office of Travel Forecasting and Analysis, Statewide Modeling Branch, 1120 N Street, Room 5545, P. O. Box 942874, MS 38, Sacramento, CA 94274-0001, or call (916) 654-2940 Voice, or use the California Relay Service TTY at 1-800-735-2929. The report may be found at www.dot.ca.gov/hq/tsip.

The contents of this report reflect the view of the authors who are responsible for the facts and accuracy of the data presented herein. The contents do not necessarily reflect the official policy of the Department of Transportation. The report does not constitute a standard, specification, or regulation. This report was prepared in cooperation with U. S. Department of Transportation, Federal Highway Administration.

This page intentionally left blank.

TABLE OF CONTENTS

	Page
List of Tables and Figures	iii
I. EXECUTIVE SUMMARY	1
II. INTRODUCTION	7
III. FORECAST ASSUMPTIONS	11
IV. FORECAST RESULTS	13
A. Vehicle Miles of Travel	13
B. Vehicle Fuel Consumption	15
C. Registered Vehicles	16
D. Vehicle Fuel Economy	18
REFERENCES	21
APPENDIX A. MVSTAFF Process Overview	23
APPENDIX B. Vehicle Miles Traveled by County and Road System	29
APPENDIX C. Vehicle Fuel Consumption by County and Fuel Type	41
APPENDIX D. Truck Miles of Travel by County and Road System	51
APPENDIX E. Statewide Totals	61
GLOSSARY	67

This page intentionally left blank.

LIST OF TABLES AND FIGURES

<u>Table No.</u>		<u>Page</u>
1	Key Forecast Values	1
2	Vehicle Miles Traveled by County and Road System	31
3	Vehicle Fuel Consumption by County and Fuel Type	43
4	Truck Miles of Travel by County and Road System	53
5	Statewide Vehicle Miles Traveled	63
6	Statewide Vehicle Fuel Consumption	64
7	Statewide Registered Vehicles	65
8	Statewide Vehicle Fuel Economy	66

<u>Figure No.</u>		
1	Forecast Summary	3
2	Vehicle Miles Traveled by County	4
3	Vehicle Miles Traveled by County (Spatial Distribution)	5
4	Socioeconomic Factors Impact on Vehicles Miles Traveled	9
5	Vehicle Miles Traveled by Road System	13
6	Vehicle Miles Traveled by Body Type	14
7	Vehicle Fuel Consumption	15
8	Registered Vehicles	16
9	Registered Vehicles by Body Type	17
10	Vehicle Fleet Fuel Economy by Body Type	19
11	Motor Vehicle Stock, Travel and Fuel Forecasting Process	27

This page intentionally left blank.

I. EXECUTIVE SUMMARY

This is the twenty-second in a series of reports that forecasts vehicle miles of travel in California. This report is intended for transportation planning, travel forecasting, air quality modeling, and fuel tax revenue projection.

This report provides forecasts of Vehicle Miles Traveled (VMT), Vehicle Fuel Consumption (VFC), registered vehicles, and vehicle fuel economy on a statewide basis. The forecasts are disaggregated by county, road system, vehicle body type, and vehicle fuel type.

Socioeconomic factors that affect vehicle miles of travel include population, per capita personal income, vehicles per person, and the fuel cost per mile of travel.

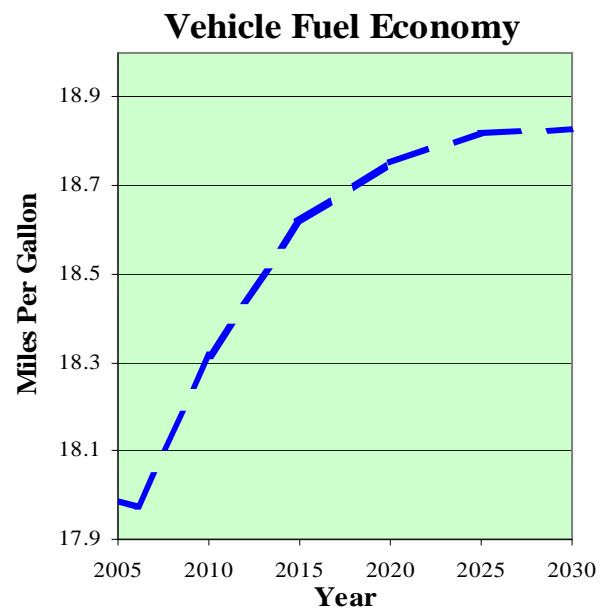
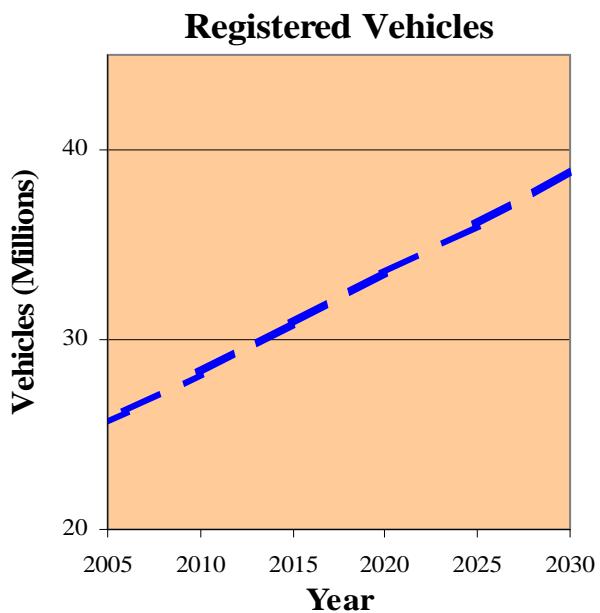
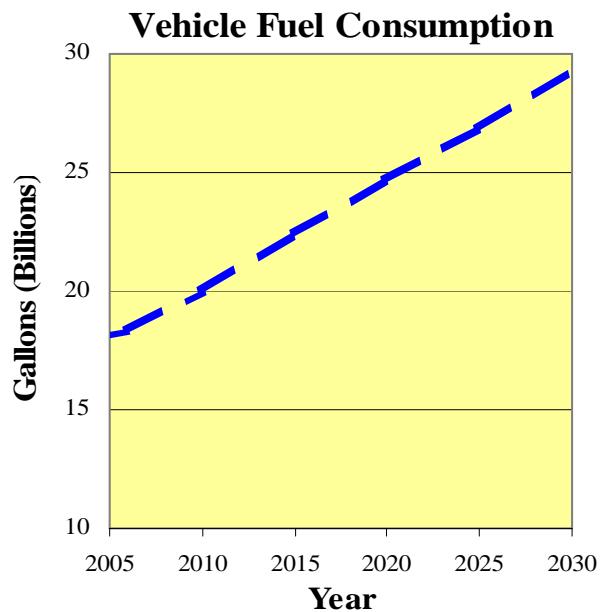
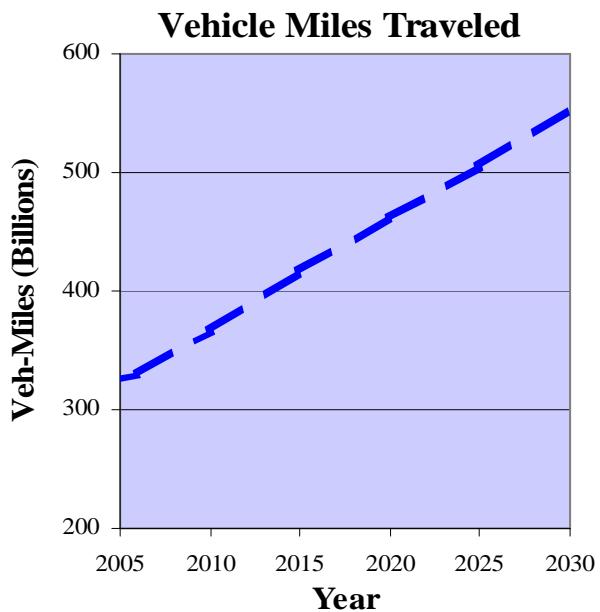
The VMT and VFC are projected to increase by 68 percent and 61 percent respectively from 2005 to 2030. The counties with the most growth in VMT are Los Angeles, Riverside, San Diego, San Bernardino, Orange, Sacramento and Alameda. The rural counties show very little change in VMT. More detailed forecast results are provided in the body of the report.

Table 1: Key Forecast Values

Year	Vehicle Miles Traveled	Vehicle Fuel Consumption	Registered Vehicles	Vehicle Fuel Economy
	Veh-Miles (Billions)	Gallons (Billions)	Vehicles (Millions)	Miles Per Gallon
2005	327.5	18.20	25.67	17.99
2006	330.2	18.37	26.20	17.98
2010	366.4	20.00	28.20	18.32
2015	417.0	22.40	30.88	18.62
2020	462.1	24.64	33.53	18.76
2025	505.1	26.84	36.08	18.82
2030	552.5	29.35	38.82	18.83

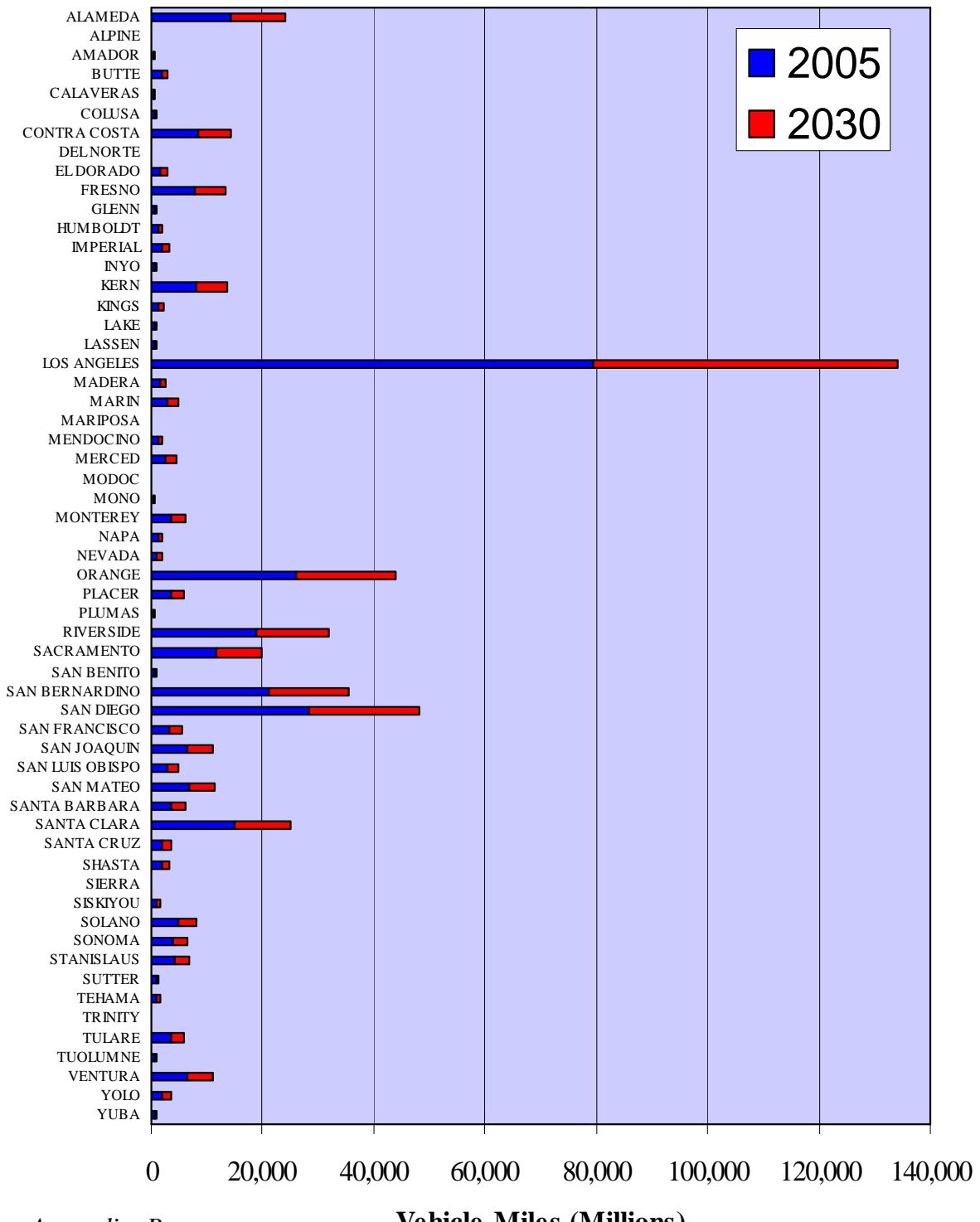
This page intentionally left blank.

Figure-1
Forecast Summary



Source: Appendix E

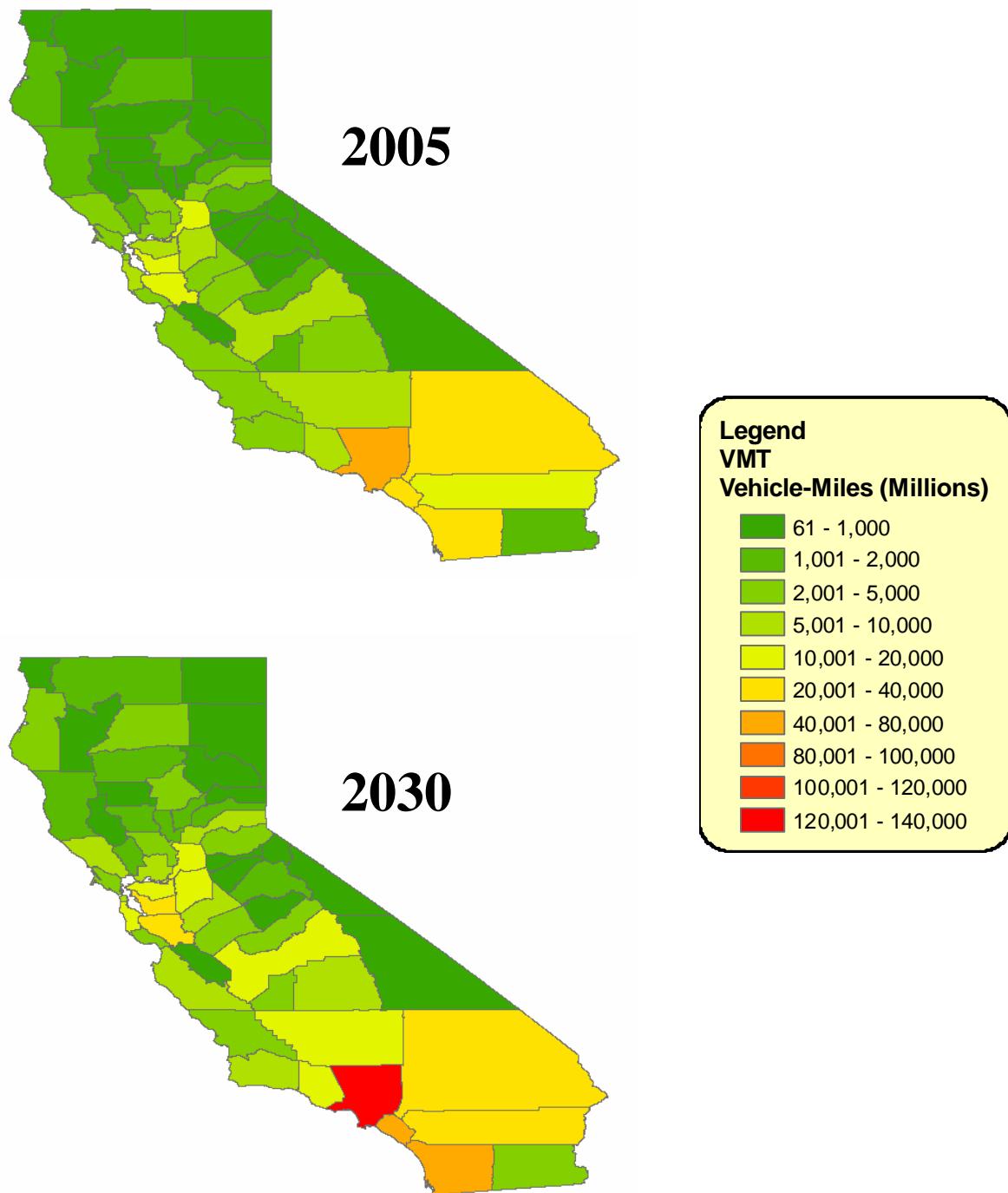
Figure-2
Vehicle Miles Traveled by County



Source Appendix: B

Vehicle-Miles (Millions)

Figure-3
Vehicle Miles Traveled by County
(Spatial Distribution)



Source: Appendix B

This page intentionally left blank.

II. INTRODUCTION

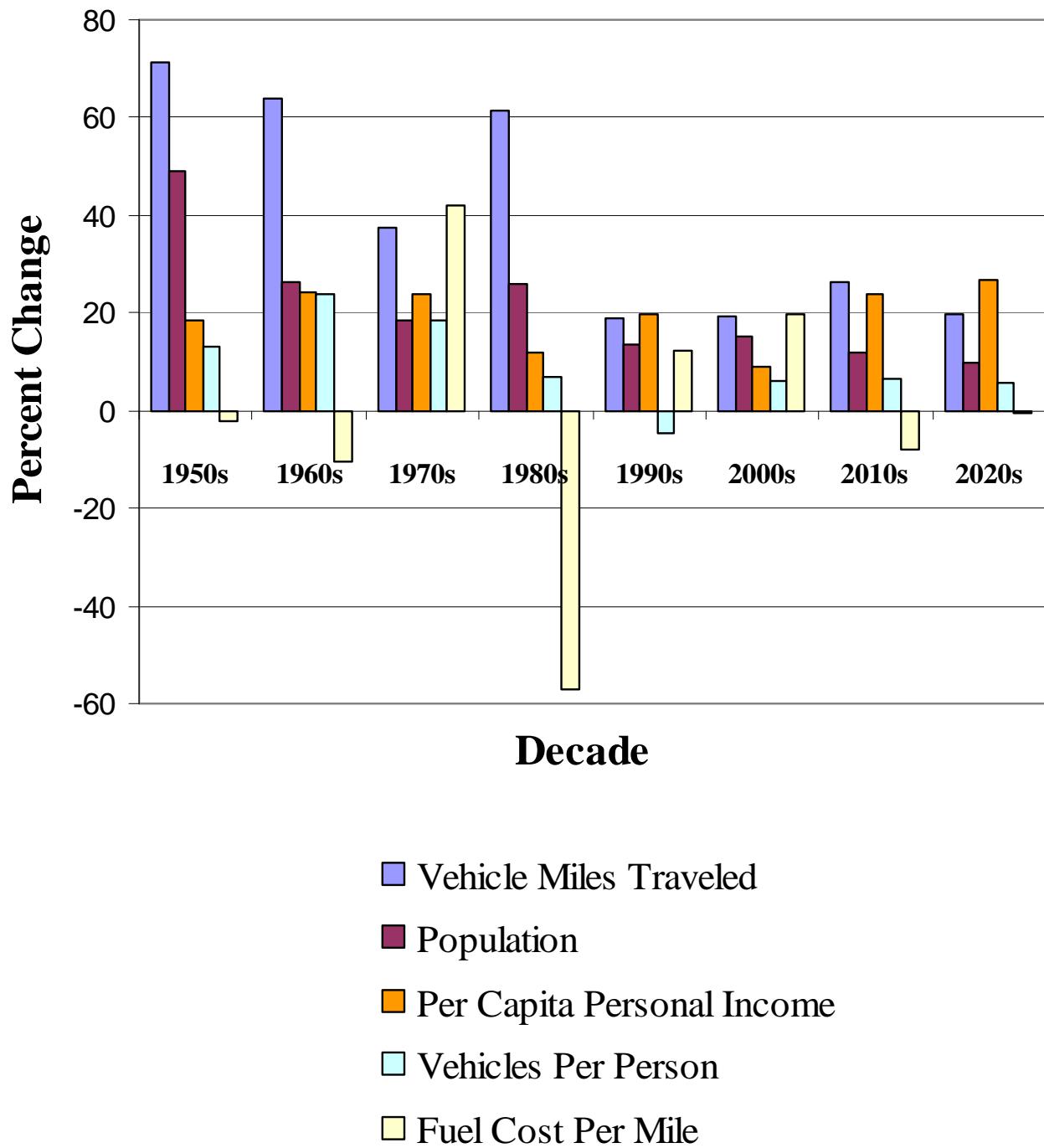
The California Department of Transportation utilizes forecasts of VMT and VFC for planning and revenue projection purposes. These forecasts are based on the Motor Vehicle Stock, Travel and Fuel Forecast (MVSTAFF) process, which are outlined in Appendix A.

Socioeconomic factors used in the forecasting process include population, per capita personal income, vehicle per person, and the fuel cost per mile of travel. The following summarizes the history of social economic impact of VMT as illustrated in Figure 4:

- The **1950s** experienced a 71 percent increase in VMT, which was attributed by a 49 percent increase in population and moderate increases in per capita personal income and vehicle ownership. A decrease in fuel price per mile also contributed to the growth of VMT because of their inverse relationship.
- The **1960s** experienced a 64 percent increase in VMT although population grew at about half the rate that it did in the 1950s (26 percent vs. the previous 49 percent). The driving force in the 1960s would appear to be the growth in per capita income and vehicle ownership, the highest in the 50-year history.
- The **1970s** produced a 38 percent increase in VMT as a result of a low increase in population, a slow economy, and a 55 percent rise in fuel prices in the last half of the decade.
- The **1980s** experienced a 62 percent increase in VMT rivaling its growth in the 1950s and 1960s. At the same time, per capita personal income and vehicle ownership grew by 12 percent and 7 percent, respectively. Growth in VMT in the 1980s can be attributed to strong population gains of 26 percent and the precipitous drop in the real fuel cost per mile of travel of 57 percent, resulting from a 45 percent drop in the real price of fuel and a 30 percent increase in the on-road fleet fuel economy.
- The **1990s** saw a 19 percent increase in VMT as population growth slowed down to 15 percent. Per capita personal income showed a 9 percent moderate growth, and fuel cost per mile increased 12 percent due to a sharp increase in fuel prices in 1999 and 2000.
- In the **2000s**, VMT is projected to grow 20 percent, as population growth rates are similar to 1990s. Fuel cost per mile is expected to increase 20 percent in the 2000s as well. Most of the increase was in the first half of the decade.

- In the **2010s**, VMT is projected to grow 26 percent as the population increases 12 percent. Per capita personal income is expected to increase 24 percent. Fuel cost per mile is forecasted to drop 8 percent in 10 years.
- In the **2020s**, VMT is projected to grow 20 percent as population grows 10 percent. Per capita personal income is expected to increase 27 percent. Fuel cost per mile is projected to drop 0.7 percent in 10 years.

Figure-4
Socioeconomic Factors Impact on Vehicle Miles Traveled



This page intentionally left blank.

III. FORECAST ASSUMPTIONS

The MVSTAFF process requires base year estimates and future year projections of socioeconomic variables and vehicle fuel economy. The assumptions regarding these key variables, that drive the forecasting process, are briefly described below.

A. Socioeconomic Assumptions

The forecasts are based on the projection of socioeconomic data provided by the Department of Finance (DOF) and the “UCLA Anderson Forecast for the Nation and California.”

1. Population

Population projections for the years 2006-2030 were the latest data available from DOF (Ref. 3 & 4). The state’s population is projected to continue to increase. The rate of increase is 1.30 percent in 2006, 1.27 in 2007 and then falls to a low of 0.85 percent in 2030. The annual average rate of increase is 1.08 percent.

2. The U. S. Consumer Price Index

Projections of total personal income and motor vehicle fuel prices are normally made on a current dollar basis. Because the MVSTAFF process operates on a constant dollar basis, personal income and fuel prices need to be adjusted for inflation by dividing them by projections of the U. S. Consumer Price Index (U.S. CPI).

3. Per Capita Personal Income

Per Capita Personal Income (PCPI) is an important variable in the MVSTAFF process. For example, PCPI is a major determinant of new car sales, vehicle ownership and annual miles of travel per person.

Total personal income is expected to increase 3.25 percent in 2006, 3.3 in 2007, and 3.7 in 2008 respectively. Growth in real personal income will remain weak in 2007, but it will pick up in 2008.

4. Fuel Price

Fuel price is one of the most important variables in projecting future VMT and VFC, for the following reasons:

- (a) It significantly determines the amount of vehicular travel.
- (b) Over the past 20 years, it has had the greatest variability of any of the socioeconomic variables used to forecast VMT and VFC.
- (c) It influences the fuel economy of the new vehicle fleet, which directly affects fuel consumption.

The fuel price variable used in the forecasting process is the price of gasoline, averaged over all grades, and full service and self-service sales. The price includes all excise taxes but not sales taxes. Fuel price is expected to continue to be high in 2006, and then slow down after 2007 and on.

5. Prime Lending Rate

The prime-lending rate is one of the variables used to estimate new vehicles sales, which is needed to annually update the vehicle fleet. The rate increased to 6.18 percent in 2005 and 8.00 in 2006 from a low of 4.34 percent in 2004. The rate increases slightly for the forecast period. The rates are very stable and generally are between 6 and 8 percent.

B. Vehicle Fuel Economy

The forecast process requires assumptions of future fuel economy. The national Corporate Average Fuel Economy (CAFÉ) standard for new cars is 27.5 MPG. These new cars will gradually enter the vehicle fleet each year as older vehicles are no longer registered.

The Miles Per Gallon (MPG) values for light duty fleets, which meet the national Corporate Average Fuel Economy (CAFÉ) standards, are assumed to have the same fuel economy into the future.

The trucking industry is aware of the significance of the fuel operating cost and the forecast for higher fuel prices. Therefore, there will be a continuous need to improve truck fuel economy. An average annual fleet MPG improvement was calculated for each vehicle and fuel type using the vehicle fuel economy values from the Truck Inventory and Use Survey reports for years 1997, 1982, 1987, 1992, and the Vehicle Inventory and Use Survey reports for years 1997 and 2002. These rates of improvement were assumed to continue in the future. Fuel economy of motorcycles is assumed to be a constant on-road value of 50 MPG.

IV. FORECAST RESULTS

A. Vehicle Miles of Travel

Vehicle miles of travel forecast by road system are illustrated in Figure-5. The 2006 VMT estimate of 330.181 billion is based on the 2005 on-road fuel consumption estimate from the Board of Equalization's sales data, and the 2005 on-road vehicle fleet fuel economy from the MVSTAFF Stratified Rate Model. Statewide VMT in 2006 is expected to increase slightly by about 0.8 percent, which is assumed to be due to gasoline price hike in 2005 and first half of 2006. The long-term forecast is for VMT to continue to grow, but at a slower rate. The VMT forecasts by body type are illustrated in Figure-6.

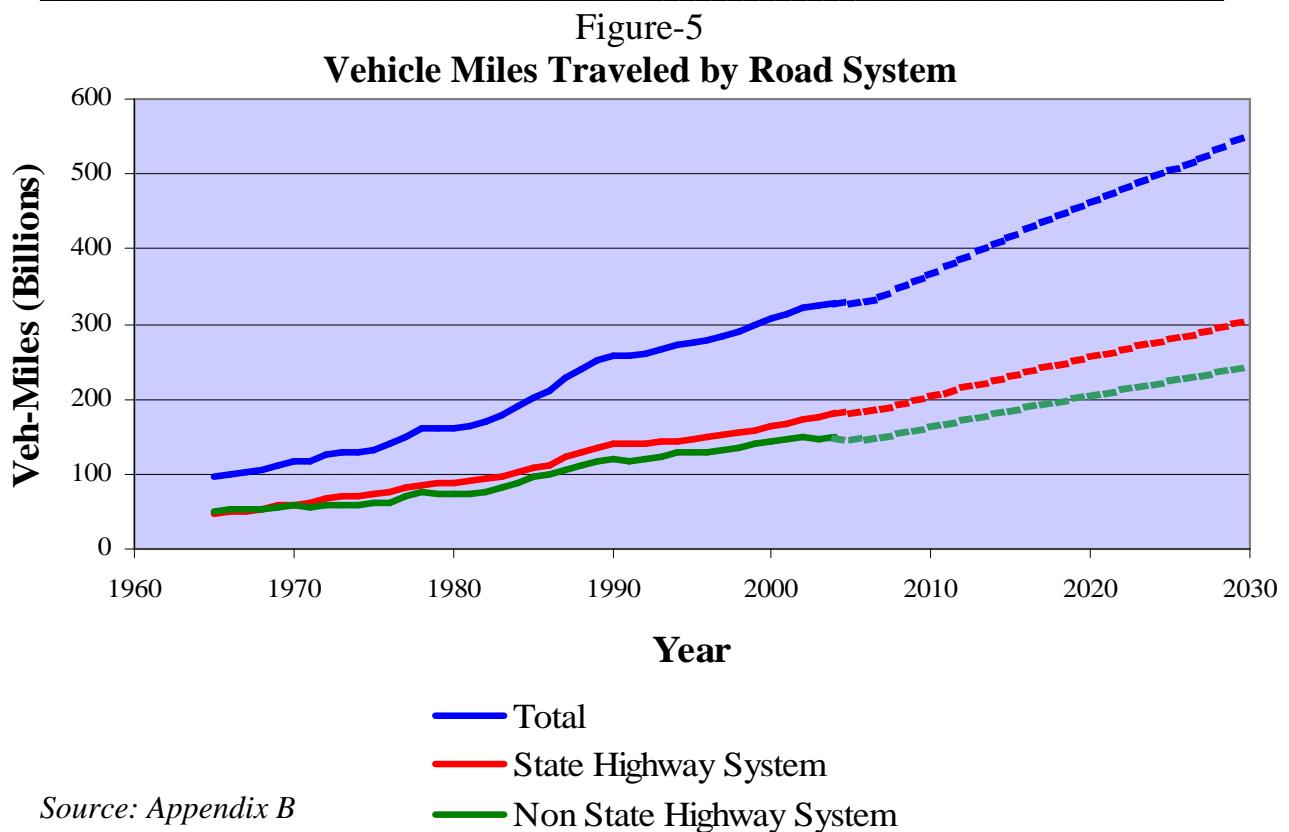
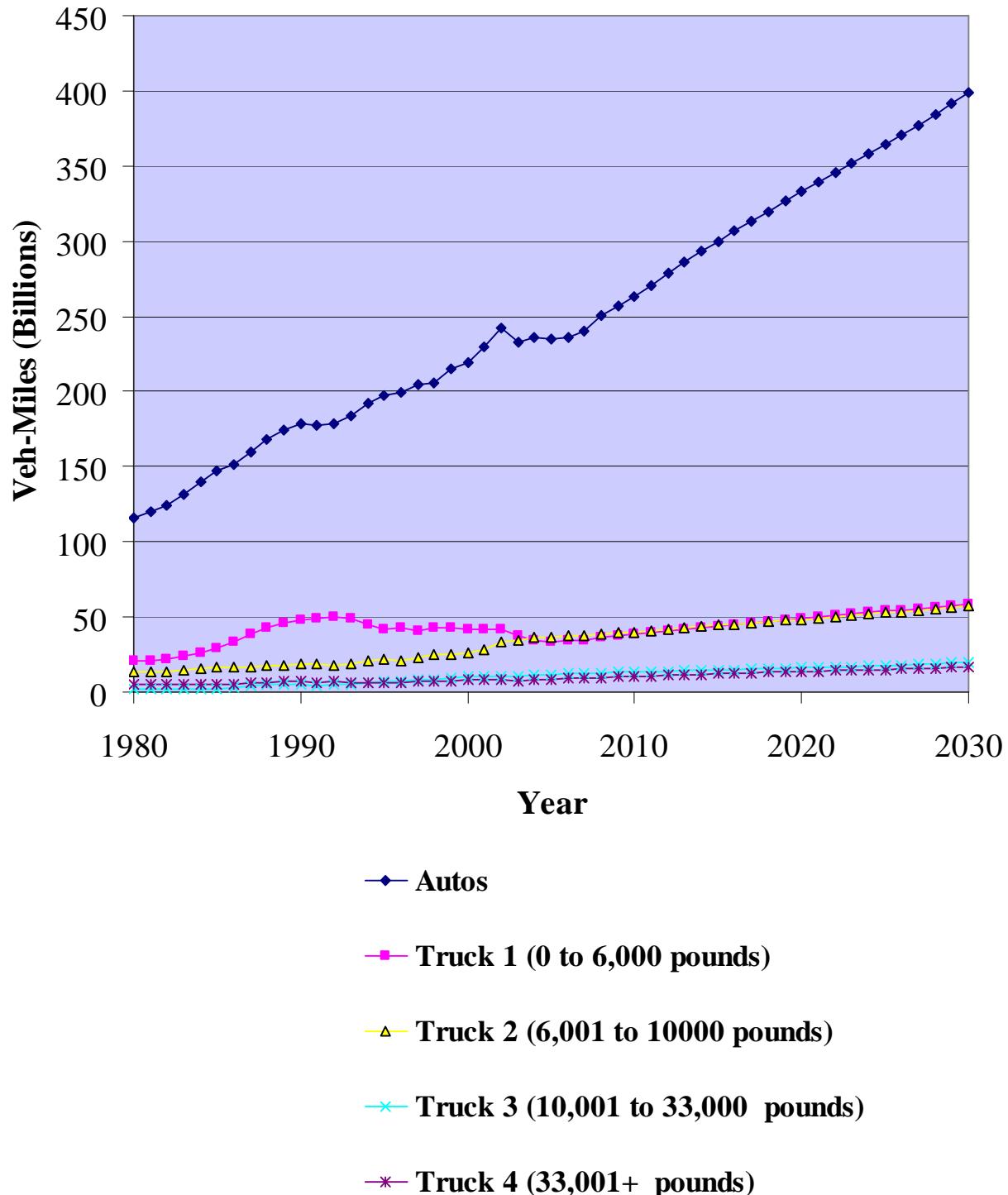


Figure-6
Vehicle Miles Traveled by Body Type



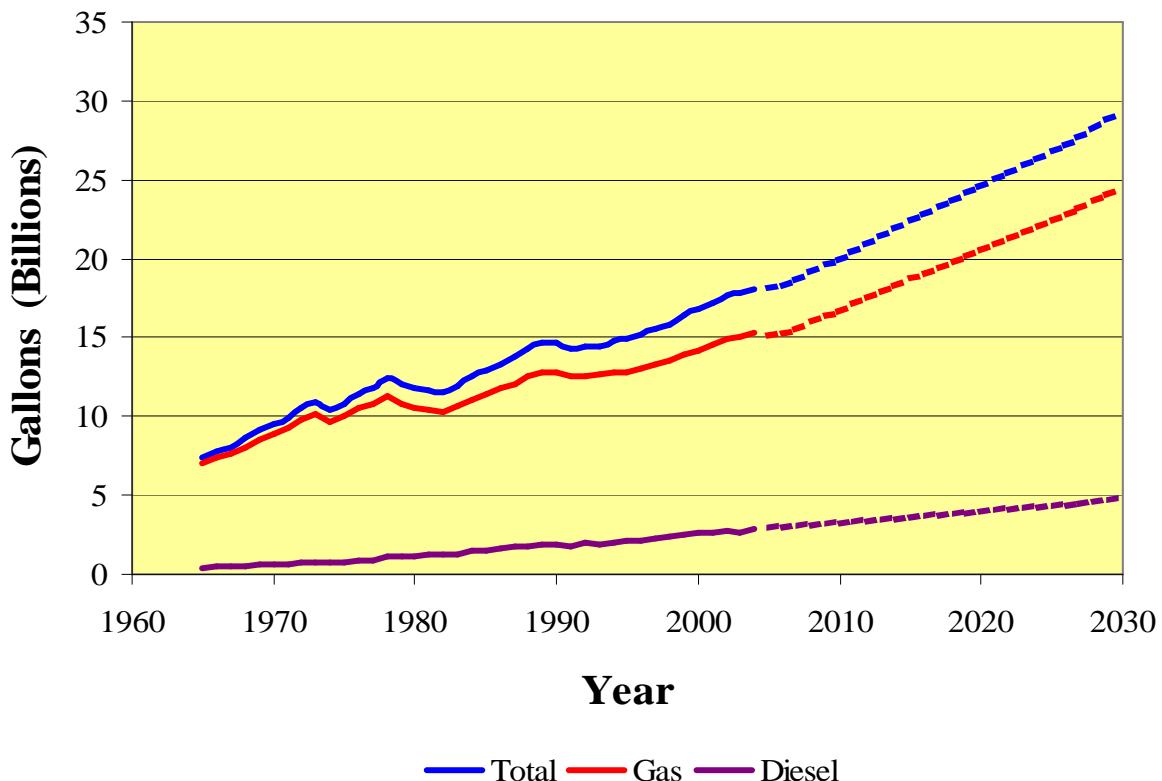
Source: Appendix B

B. Vehicle Fuel Consumption

The Statewide fuel consumption forecast is given in Figure-7. The values represent total gasoline and diesel fuel usage on all public roads for years 1965 to 2030. Fuel consumption is expected to increase slightly about 1 percent in 2006 compare to 2005.

Vehicle Fuel Consumption by body type and fuel type are provided in Appendix E. Total fuel consumption is expected to increase for autos and all types of trucks. Diesel fuel consumption for autos and light trucks is expected to decrease because of the projected decline in the number of both body types.

**Figure-7
Vehicle Fuel Consumption**



Source: Appendix C

C. Registered Vehicles

The forecast of the total number of registered vehicles are shown in Figure-8. Total vehicles are expected to increase by 2.06 percent in 2006. The long-term forecast is for total vehicles to continue to increase at an annual average rate of 1.67 percent.

The forecast of registered vehicles by body type are shown in Figure-9. Motorcycles are included in a detailed summary of registered vehicles by body type and fuel type in Appendix E.

**Figure-8
Registered Vehicles**

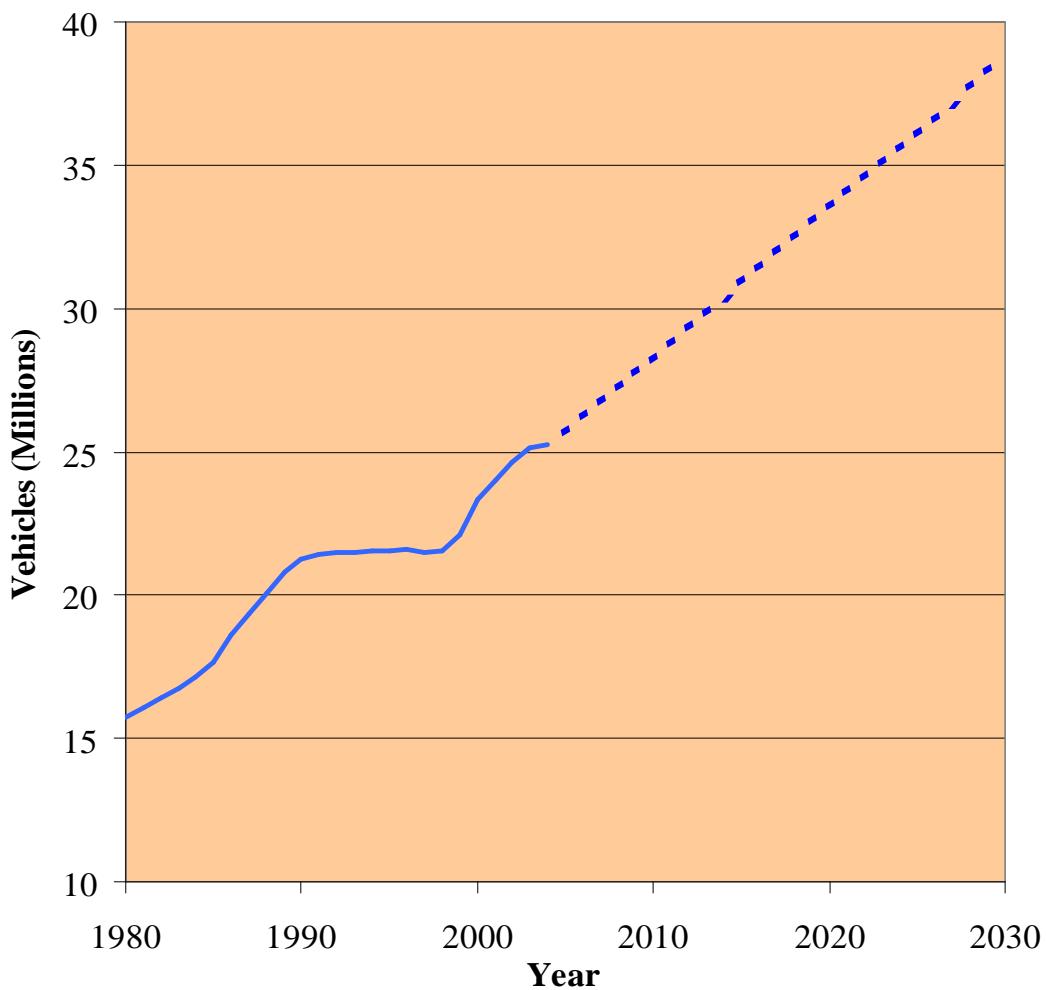
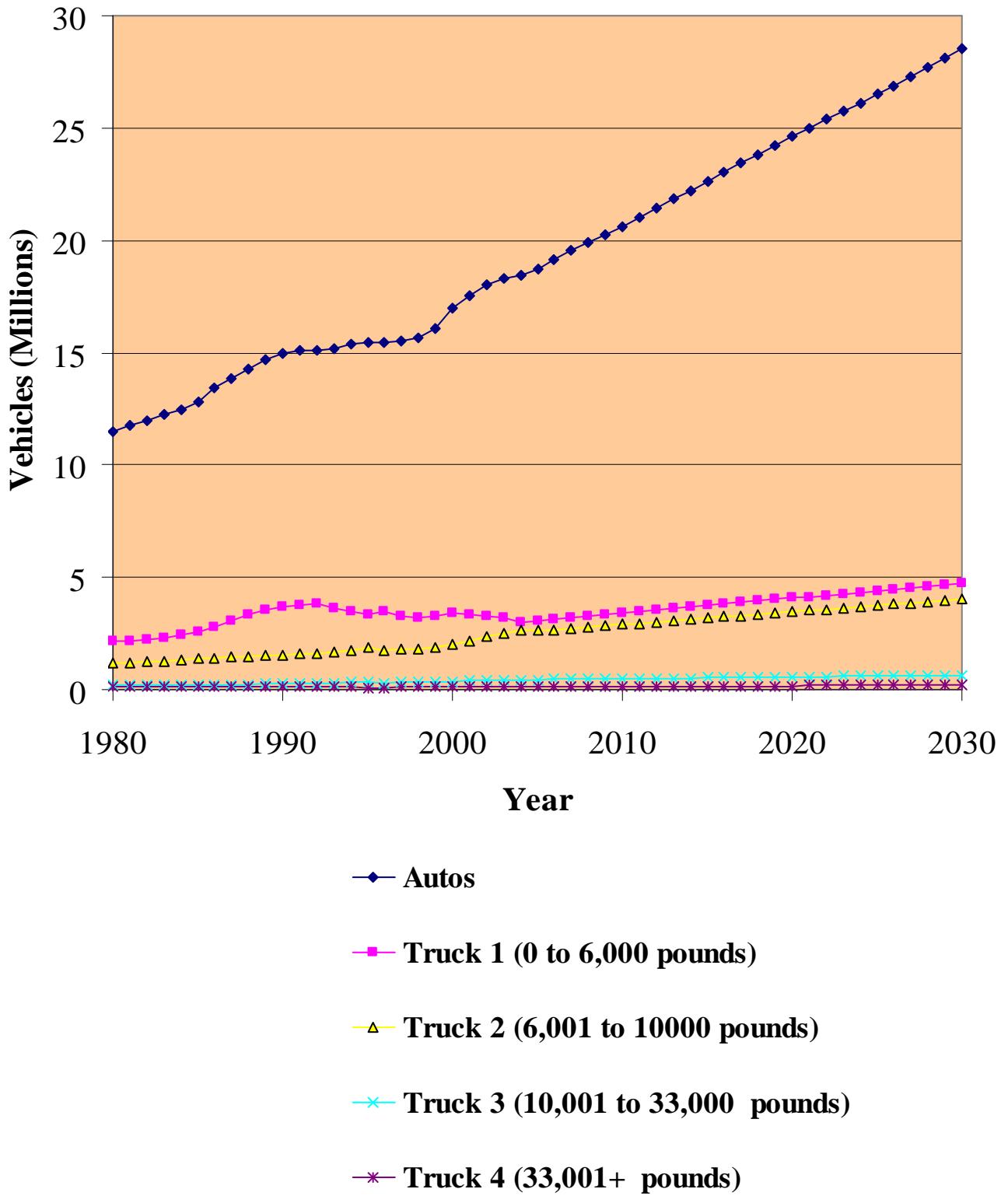


Figure-9
Registered Vehicles by Body Type

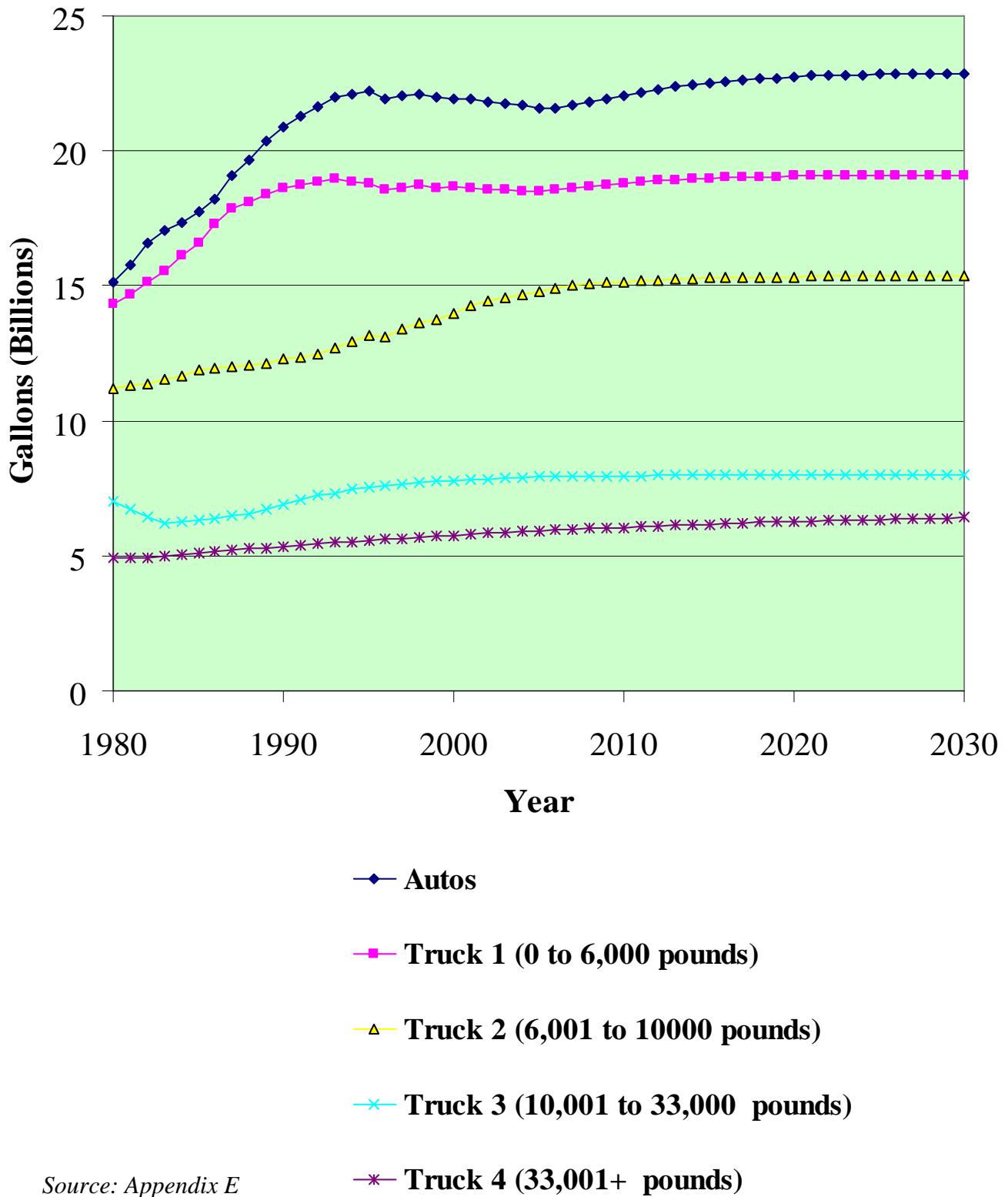


D. Vehicle Fuel Economy

As can be seen from Figure-10, the vehicle fuel economy by body type is expected to gradually improve throughout the forecast period. New cars with improved fuel economy will replace the older less fuel-efficient vehicles over time.

Vehicle fuel economy by body type and fuel type forecast is listed in Appendix-E. Vehicle fuel economy is projected to continuously improve for all strata of vehicles. The greatest improvements are being projected for heavy trucks. Fuel economy of year 2030 automobile fleet will be 5.88 percent higher than it was in 2005, while the total vehicle fleet fuel economy will be 4.65 percent higher than it was in 2005.

Figure-10
Vehicle Fleet Fuel Economy by Body Type



Source: Appendix E

—*— Truck 4 (33,001+ pounds)

This page intentionally left blank.

REFERENCES

1. UCLA, "The UCLA Anderson Forecast for the Nation and California," September 2006.
2. The DRI-WEFA Group, "U.S. Economy, The 25-Year Focus," Spring Issue, 2004.
3. State of California, Department of Finance, California County Population Estimates and Components of Change by Year, July 1, 2000 – 2005, Sacramento, California, February 2006.
4. State of California, Department of Finance, Population Projections by Race/Ethnicity for California and Its Counties 2000-2050, Sacramento, California, May 2006.
5. R. L. Polk, "Annual National Vehicle Population Profile, California," 1983, 1984, 1986, 1988, 1990, 1992.
6. U. S. Department of Commerce, Bureau of the Census, "Truck Inventory and Use Survey," 1977, 1982, 1987 and 1992.
7. U. S. Department of Commerce, Bureau of the Census, "Vehicle Inventory and Use Survey," 1997 and 2002.

This page intentionally left blank.

APPENDIX A

MVSTAFF PROCESS OVERVIEW

This page intentionally left blank.

APPENDIX A

MVSTAFF PROCESS OVERVIEW

The MVSTAFF process is a recursive procedure, which estimates, for each year of the forecast period, the following:

- The motor vehicle stock (average number of currently registered vehicles) by six body types, two fuel types, and 25 model years or age groups.
- The fuel economy of the total fleet and each model year.
- The vehicle travel and fuel consumption for the total fleet and each model year.

The process consists of four major parts, which are outlined in Figure-11 and briefly described below.

1. Inventories

- Base year estimates and future year projections of the socioeconomic variables are assumed to be the causative factors for acquiring vehicles and generating travel, base year fuel consumption, and explicit assumptions about new vehicle fuel economy.
- The base year vehicle stock is stratified by vehicle type and model year, and derived estimates of the on-road fuel economy for each stratum of vehicles in the base year fleet.

2. The Stratified Rate Model

- When applied to the base year inventory, this model estimates base year vehicle travel, fuel consumption and fuel economy for each vehicle type and the total fleet.
- When applied in the forecasting mode, the Stratified Rate Model first updates the composition and fuel economy of the fleet by one year and then estimates the next year's stratified fleet, vehicle travel, fuel consumption and fuel economy.
- Imbedded in the Stratified Rate Model are sub-models which forecast the total number of vehicles by vehicle type, new vehicles, in-migration vehicles, and scrap value of old vehicles and the fuel economy of new vehicles under explicit socioeconomic assumptions.

3. The Statewide Aggregate VMT and VFC Model

- The Statewide Aggregate model accepts the vehicle fleet fuel economy from the Stratified Rate Model and socioeconomic data from the inventory. It estimates next year's statewide total VMT and VFC without regard to vehicle body type. Because the Aggregate Model is more directly linked to socioeconomic variables, the VMT forecasts from the model are used as control totals for the forecast years.

4. Comparison/Adjustment Model

- The Comparison/Adjustment model compares and adjusts the total VMT and VFC from the Stratified Rate Model to match that from the Aggregate Model. As part of the comparison/adjustment process, statewide total diesel fuel is forecasted with a Diesel Fuel Consumption Model, and gasoline fuel is computed as the difference between total fuel and diesel fuel. Following the comparison/adjustment step, future year VMT, VFC, and vehicle fuel economy (VFE) for each vehicle type are calculated.

The above sequence produces the “next year” forecast. The process is then recursively applied to produce forecasts for each succeeding year in the forecast period.

Statewide VMT from the above process is distributed to the 58 counties and two major road systems (State Highways and all “Other” public roads) as follows:

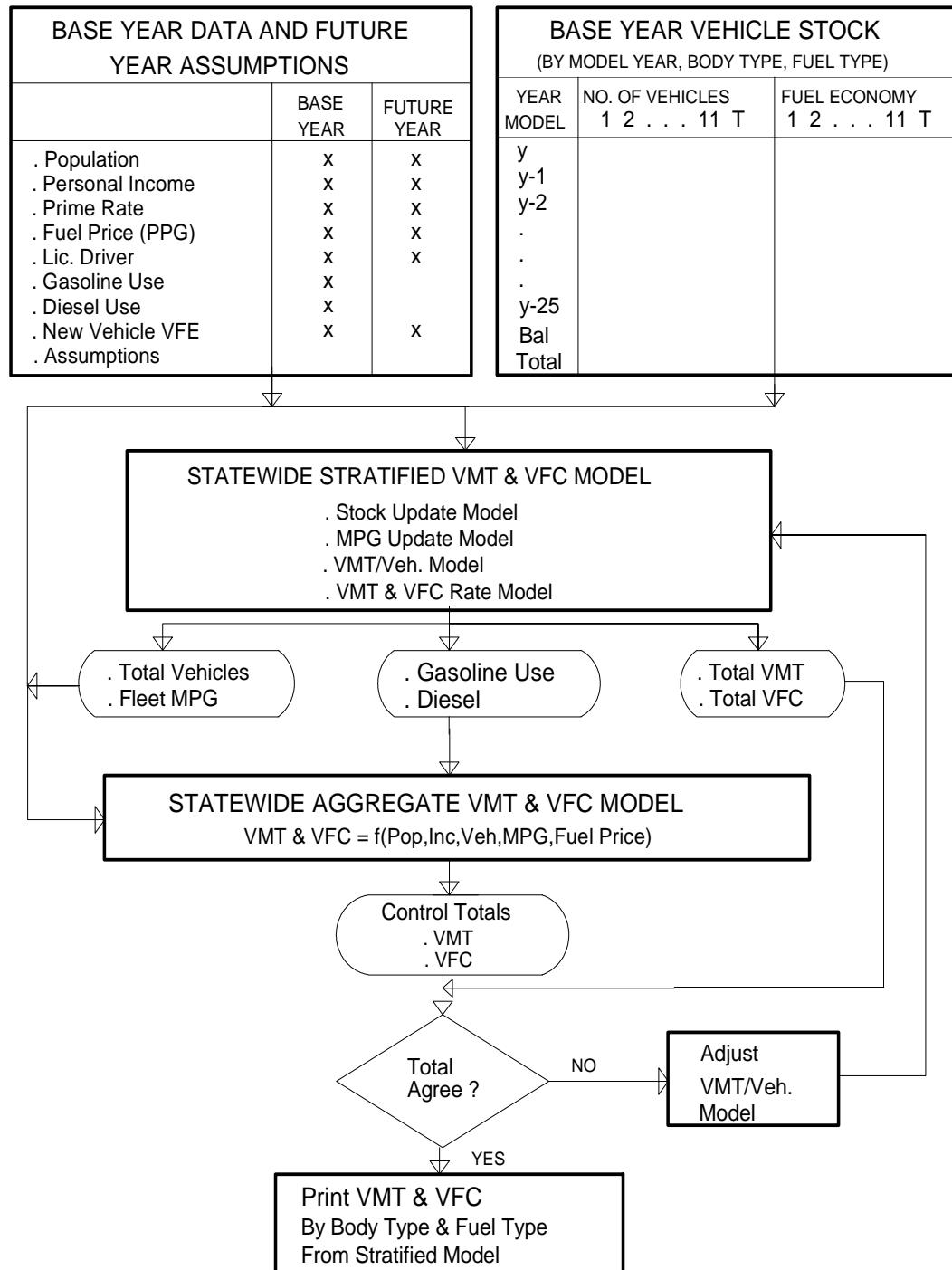
For the base year, county VMT on State Highways is obtained directly from the Division of Traffic Operations’ annual Traffic Accident Surveillance and Analysis System (TASAS) file. County VMT on all other public roads, except that on the local road functional class, is estimated from the annual HPMS file. Local road VMT cannot be obtained from either TASAS or HPMS. Therefore, statewide local road VMT is calculated as the difference: statewide total VMT (MVSTAFF) minus State Highway VMT (TASAS) and other road VMT (HPMS). Statewide local road VMT is then allocated to each county on the basis of the relative distribution of the quantity, “county automobile registrations times the proportion of local road mileage to the total system mileage.”

For future years, the statewide VMT from MVSTAFF is distributed by applying county-specific, annualized growth rates to the base year county estimates described above. The county-specific growth rates are calculated from county population estimates recently published by the Department of Finance. The annualized rates are normalized so that the sum of counties’ VMT equals the MVSTAFF statewide VMT.

Statewide VFC is distributed to the 58 counties and the two fuel types, gasoline and diesel, using estimates of county VMT, Truck Miles of Travel (TMT), and statewide estimates of VFE.

For purposes of TMT, trucks are defined as vehicles having at least two axles and six tires. The county TMT distributions are based on the latest available county TMT and VMT distributions and the forecast year county VMT estimates.

Figure-11
MOTOR VEHICLE STOCK, TRAVEL
AND FUEL FORECASTING PROCESS



This page intentionally left blank.

APPENDIX B

VEHICLE MILES TRAVELED BY COUNTY AND ROAD SYSTEM

This page intentionally left blank.

TABLE 2 - 1990 VMT BY COUNTY AND ROAD SYSTEM (MILLIONS)

COUNTY	STATE HWY	NON-STATE HWY	TOTAL
ALAMEDA	7152.00	4279.34	11431.34
ALPINE	41.00	7.26	48.26
AMADOR	223.00	61.62	284.62
BUTTE	540.00	915.46	1455.46
CALAVERAS	215.00	89.56	304.56
COLUSA	347.00	102.24	449.24
CONTRA COSTA	3445.00	3246.37	6691.37
DEL NORTE	150.00	61.12	211.12
EL DORADO	757.00	474.89	1231.89
FRESNO	2066.00	3172.68	5238.68
GLENN	290.00	91.58	381.58
HUMBOLDT	661.00	408.30	1069.30
IMPERIAL	800.00	452.90	1252.90
INYO	382.00	65.50	447.50
KERN	3275.00	2022.72	5297.72
KINGS	489.00	417.38	906.38
LAKE	256.00	120.89	376.89
LASSEN	265.00	200.68	465.68
LOS ANGELES	34243.00	37622.04	71865.04
MADERA	655.00	281.27	936.27
MARIN	1409.00	1082.73	2491.73
MARIPOSA	105.00	103.37	208.37
MENDOCINO	619.00	346.64	965.64
MERCED	1289.00	470.88	1759.88
MODOC	83.00	60.08	143.08
MONO	276.00	24.40	300.40
MONTEREY	1710.00	1372.50	3082.50
NAPA	531.00	356.07	887.07
NEVADA	565.00	308.77	873.77
ORANGE	11304.00	11466.12	22770.12
PLACER	1295.00	702.97	1997.97
PLUMAS	160.00	99.83	259.83
RIVERSIDE	7170.00	4289.73	11459.73
SACRAMENTO	3771.00	5032.58	8803.58
SAN BENITO	255.00	94.00	349.00
SAN BERNARDINO	8593.00	4624.41	13217.41
SAN DIEGO	12088.00	9415.59	21503.59
SAN FRANCISCO	1441.00	2191.84	3632.84
SAN JOAQUIN	2415.00	1931.91	4346.91
SAN LUIS OBISPO	1482.00	698.93	2180.93
SAN MATEO	4212.00	2003.60	6215.60
SANTA BARBARA	1963.00	1055.18	3018.18
SANTA CLARA	5915.00	7116.81	13031.81
SANTA CRUZ	892.00	846.48	1738.48
SHASTA	973.00	614.11	1587.11
SIERRA	60.00	29.92	89.92
SISKIYOU	570.00	199.75	769.75
SOLANO	2381.00	970.85	3351.85
SONOMA	1605.00	1426.00	3031.00
STANISLAUS	1268.00	1509.91	2777.91
SUTTER	320.00	275.18	595.18
TEHAMA	516.00	215.30	731.30
TRINITY	117.00	25.27	142.27
TULARE	1173.00	1300.11	2473.11
TUOLUMNE	291.00	190.49	481.49
VENTURA	2931.00	2464.49	5395.49
YOLO	979.00	533.31	1512.31
YUBA	230.00	250.14	480.14
TOTAL	139209.00	119794.00	259003.00

TABLE 2 - 1995 VMT BY COUNTY AND ROAD SYSTEM (MILLIONS)

COUNTY	STATE HWY	NON-STATE HWY	TOTAL
ALAMEDA	7446.09	4978.72	12424.81
ALPINE	42.03	8.26	50.29
AMADOR	245.67	84.15	329.82
BUTTE	607.92	981.74	1589.66
CALAVERAS	250.21	115.48	365.69
COLUSA	392.99	109.17	502.16
CONTRA COSTA	3643.81	3466.37	7110.18
DEL NORTE	157.38	67.82	225.20
EL DORADO	802.62	660.85	1463.47
FRESNO	2349.32	3697.81	6047.13
GLENN	322.62	120.54	443.16
HUMBOLDT	686.71	442.61	1129.31
IMPERIAL	880.31	502.49	1382.80
INYO	373.18	72.67	445.85
KERN	3692.82	2365.44	6058.26
KINGS	517.07	450.22	967.30
LAKE	298.37	159.67	458.04
LASSEN	313.74	243.39	557.12
LOS ANGELES	35077.90	38915.50	73993.39
MADERA	778.42	345.04	1123.45
MARIN	1433.79	1123.36	2557.15
MARIPOSA	125.36	114.46	239.82
MENDOCINO	646.97	419.62	1066.59
MERCED	1349.18	740.42	2089.60
MODOC	92.55	68.09	160.64
MONO	251.33	26.73	278.06
MONTEREY	1803.91	1421.39	3225.30
NAPA	536.26	373.58	909.84
NEVADA	634.53	344.08	978.61
ORANGE	11224.33	11905.61	23129.94
PLACER	1489.99	1039.48	2529.47
PLUMAS	180.79	109.29	290.08
RIVERSIDE	7380.95	4928.49	12309.44
SACRAMENTO	4193.16	5100.00	9293.17
SAN BENITO	285.83	119.00	404.83
SAN BERNARDINO	9716.70	5973.94	15690.64
SAN DIEGO	12603.49	10450.81	23054.29
SAN FRANCISCO	1503.31	2221.68	3725.00
SAN JOAQUIN	2818.12	2100.81	4918.93
SAN LUIS OBISPO	1557.01	767.08	2324.08
SAN MATEO	4271.22	2162.86	6434.08
SANTA BARBARA	2016.74	1165.38	3182.11
SANTA CLARA	6202.18	7372.17	13574.35
SANTA CRUZ	964.58	901.87	1866.45
SHASTA	1076.58	674.75	1751.32
SIERRA	57.84	28.71	86.54
SISKIYOU	579.60	279.89	859.49
SOLANO	2612.95	1109.65	3722.60
SONOMA	1752.95	1604.53	3357.48
STANISLAUS	1373.18	2049.39	3422.57
SUTTER	370.76	303.94	674.70
TEHAMA	553.25	235.27	788.52
TRINITY	113.96	31.78	145.74
TULARE	1341.24	1462.09	2803.33
TUOLUMNE	293.84	210.76	504.60
VENTURA	3117.04	2664.82	5781.85
YOLO	1063.66	563.46	1627.12
YUBA	246.73	295.85	542.58
TOTAL	146715.02	130252.97	276968.00

TABLE 2 - 2000 VMT BY COUNTY AND ROAD SYSTEM (MILLIONS)

COUNTY	STATE HWY	NON-STATE HWY	TOTAL
ALAMEDA	8532.97	5493.26	14026.23
ALPINE	44.50	12.42	56.92
AMADOR	261.41	106.56	367.96
BUTTE	642.61	1357.71	2000.32
CALAVERAS	243.50	142.45	385.95
COLUSA	406.61	116.19	522.80
CONTRA COSTA	4220.38	3731.08	7951.46
DEL NORTE	153.90	87.40	241.30
EL DORADO	845.42	772.74	1618.15
FRESNO	2709.15	4116.97	6826.12
GLENN	308.51	130.73	439.23
HUMBOLDT	702.81	509.31	1212.12
IMPERIAL	1105.72	537.66	1643.38
INYO	404.91	115.70	520.61
KERN	4192.58	2823.80	7016.38
KINGS	649.41	459.34	1108.75
LAKE	308.41	184.27	492.68
LASSEN	295.61	284.16	579.76
LOS ANGELES	37403.34	41684.07	79087.42
MADERA	899.12	421.76	1320.88
MARIN	1552.53	1225.94	2778.47
MARIPOSA	122.00	139.32	261.33
MENDOCINO	689.41	449.63	1139.05
MERCED	1485.53	729.63	2215.16
MODOC	80.50	108.53	189.03
MONO	237.40	56.44	293.84
MONTEREY	2038.84	1544.55	3583.39
NAPA	675.51	473.89	1149.40
NEVADA	699.61	385.49	1085.10
ORANGE	12808.05	13008.40	25816.45
PLACER	1721.23	1188.51	2909.75
PLUMAS	176.20	178.07	354.27
RIVERSIDE	8394.67	5709.84	14104.51
SACRAMENTO	4959.70	5443.63	10403.33
SAN BENITO	347.11	185.87	532.97
SAN BERNARDINO	10485.91	6687.92	17173.83
SAN DIEGO	14770.09	11364.97	26135.06
SAN FRANCISCO	1562.73	2288.85	3851.58
SAN JOAQUIN	3116.56	2354.44	5471.00
SAN LUIS OBISPO	1734.24	896.26	2630.49
SAN MATEO	4910.60	2475.69	7386.29
SANTA BARBARA	2221.04	1345.26	3566.31
SANTA CLARA	7670.65	7736.80	15407.45
SANTA CRUZ	1011.82	1025.19	2037.01
SHASTA	1070.02	829.13	1899.15
SIERRA	65.80	44.72	110.53
SISKIYOU	579.41	301.58	880.99
SOLANO	2929.86	1337.42	4267.28
SONOMA	1898.84	1764.11	3662.94
STANISLAUS	1389.73	1995.87	3385.59
SUTTER	393.71	350.79	744.50
TEHAMA	560.41	273.79	834.20
TRINITY	110.60	72.92	183.53
TULARE	1510.93	1566.26	3077.19
TUOLUMNE	300.71	266.18	566.89
VENTURA	3482.67	2939.11	6421.78
YOLO	1182.92	657.31	1840.24
YUBA	278.61	324.13	602.74
TOTAL	163557.00	142814.00	306371.00

TABLE 2 - 2005 VMT BY COUNTY AND ROAD SYSTEM (MILLIONS)

COUNTY	STATE HWY	NON-STATE HWY	TOTAL
ALAMEDA	8880.00	5439.89	14319.89
ALPINE	52.10	13.31	65.41
AMADOR	323.70	81.52	405.22
BUTTE	701.20	1096.91	1798.11
CALAVERAS	295.50	125.15	420.65
COLUSA	492.3	126.03	618.33
CONTRA COSTA	4760.30	3774.26	8534.56
DEL NORTE	162.20	110.59	272.79
EL DORADO	892.30	799.76	1692.06
FRESNO	3453.50	4515.26	7968.76
GLENN	359.50	146.64	506.14
HUMBOLDT	728.30	511.46	1239.76
IMPERIAL	1276.90	630.72	1907.62
INYO	407.10	145.50	552.60
KERN	4801.20	3324.68	8125.88
KINGS	777.00	568.70	1345.70
LAKE	353.40	195.71	549.11
LASSEN	294.40	288.71	583.11
LOS ANGELES	39906.10	39579.02	79485.12
MADERA	1071.90	416.81	1488.71
MARIN	1592.40	1337.79	2930.19
MARIPOSA	133.40	142.17	275.57
MENDOCINO	717.60	445.61	1163.21
MERCED	1799.30	810.37	2609.67
MODOC	85.70	115.47	201.17
MONO	244.50	57.52	302.02
MONTEREY	2018.40	1586.30	3604.70
NAPA	711.20	443.91	1155.11
NEVADA	676.00	404.76	1080.76
ORANGE	13948.60	12174.05	26122.65
PLACER	1872.20	1607.68	3479.88
PLUMAS	174.30	176.33	350.63
RIVERSIDE	11295.90	7665.07	18960.97
SACRAMENTO	5591.70	6141.25	11732.95
SAN BENITO	355.40	172.05	527.45
SAN BERNARDINO	12877.40	8222.78	21100.18
SAN DIEGO	16405.90	12069.59	28475.49
SAN FRANCISCO	1316.20	2004.16	3320.36
SAN JOAQUIN	4089.50	2483.59	6573.09
SAN LUIS OBISPO	1906.20	988.76	2894.96
SAN MATEO	4717.10	2130.45	6847.55
SANTA BARBARA	2371.00	1323.90	3694.90
SANTA CLARA	8015.60	6894.34	14909.94
SANTA CRUZ	1053.60	1007.74	2061.34
SHASTA	1170.50	774.02	1944.52
SIERRA	62.20	49.51	111.71
SISKIYOU	594.00	303.43	897.43
SOLANO	3282.30	1467.80	4750.10
SONOMA	2122.20	1768.02	3890.22
STANISLAUS	1913.10	2211.93	4125.03
SUTTER	496.20	370.20	866.40
TEHAMA	630.70	266.83	897.53
TRINITY	120.70	60.77	181.47
TULARE	1772.90	1743.43	3516.33
TUOLUMNE	343.00	292.81	635.81
VENTURA	3761.00	2865.05	6626.05
YOLO	1309.10	765.02	2074.12
YUBA	336.40	338.30	674.70
TOTAL	181872.30	145573.38	327445.68

TABLE 2 - 2006 VMT BY COUNTY AND ROAD SYSTEM (MILLIONS)

COUNTY	STATE HWY	NON-STATE HWY	TOTAL
ALAMEDA	8954.18	5485.33	14439.51
ALPINE	52.54	13.42	65.96
AMADOR	326.40	82.20	408.60
BUTTE	707.06	1106.07	1813.13
CALAVERAS	297.97	126.20	424.17
COLUSA	496.41	127.09	623.50
CONTRA COSTA	4800.07	3805.79	8605.85
DEL NORTE	163.55	111.51	275.07
EL DORADO	899.75	806.44	1706.19
FRESNO	3482.35	4552.97	8035.32
GLENN	362.50	147.86	510.37
HUMBOLDT	734.38	515.73	1250.11
IMPERIAL	1287.57	635.99	1923.55
INYO	410.50	146.72	557.22
KERN	4841.31	3352.45	8193.76
KINGS	783.49	573.45	1356.94
LAKE	356.35	197.35	553.70
LASSEN	296.86	291.13	587.99
LOS ANGELES	40239.46	39909.64	80149.10
MADERA	1080.85	420.29	1501.14
MARIN	1605.70	1348.97	2954.67
MARIPOSA	134.51	143.36	277.87
MENDOCINO	723.59	449.33	1172.93
MERCED	1814.33	817.14	2631.47
MODOC	86.42	116.44	202.86
MONO	246.54	58.01	304.55
MONTEREY	2035.26	1599.55	3634.81
NAPA	717.14	447.62	1164.76
NEVADA	681.65	408.14	1089.79
ORANGE	14065.12	12275.75	26340.87
PLACER	1887.84	1621.11	3508.95
PLUMAS	175.76	177.80	353.56
RIVERSIDE	11390.26	7729.10	19119.36
SACRAMENTO	5638.41	6192.55	11830.96
SAN BENITO	358.37	173.49	531.86
SAN BERNARDINO	12984.97	8291.47	21276.44
SAN DIEGO	16542.95	12170.42	28713.36
SAN FRANCISCO	1327.19	2020.90	3348.09
SAN JOAQUIN	4123.66	2504.34	6628.00
SAN LUIS OBISPO	1922.12	997.02	2919.14
SAN MATEO	4756.50	2148.25	6904.75
SANTA BARBARA	2390.81	1334.96	3725.77
SANTA CLARA	8082.56	6951.93	15034.49
SANTA CRUZ	1062.40	1016.16	2078.56
SHASTA	1180.28	780.49	1960.76
SIERRA	62.72	49.92	112.64
SISKIYOU	598.96	305.96	904.92
SOLANO	3309.72	1480.06	4789.78
SONOMA	2139.93	1782.79	3922.72
STANISLAUS	1929.08	2230.41	4159.49
SUTTER	500.35	373.29	873.63
TEHAMA	635.97	269.06	905.02
TRINITY	121.71	61.27	182.98
TULARE	1787.71	1757.99	3545.70
TUOLUMNE	345.87	295.26	641.13
VENTURA	3792.42	2888.99	6681.40
YOLO	1320.04	771.41	2091.45
YUBA	339.21	341.13	680.34
TOTAL	183391.57	146789.43	330181.00

TABLE 2 - 2010 VMT BY COUNTY AND ROAD SYSTEM (MILLIONS)

COUNTY	STATE HWY	NON-STATE HWY	TOTAL
ALAMEDA	9936.35	6087.01	16023.36
ALPINE	58.30	14.89	73.19
AMADOR	362.21	91.21	453.42
BUTTE	784.61	1227.40	2012.01
CALAVERAS	330.65	140.04	470.69
COLUSA	550.86	141.03	691.89
CONTRA COSTA	5326.58	4223.24	9549.81
DEL NORTE	181.50	123.74	305.24
EL DORADO	998.45	894.90	1893.34
FRESNO	3864.32	5052.38	8916.70
GLENN	402.27	164.08	566.35
HUMBOLDT	814.94	572.30	1387.24
IMPERIAL	1428.80	705.75	2134.54
INYO	455.53	162.81	618.34
KERN	5372.34	3720.18	9092.52
KINGS	869.43	636.35	1505.78
LAKE	395.44	219.00	614.44
LASSEN	329.42	323.06	652.48
LOS ANGELES	44653.25	44287.26	88940.52
MADERA	1199.41	466.39	1665.80
MARIN	1781.83	1496.94	3278.77
MARIPOSA	149.27	159.09	308.35
MENDOCINO	802.96	498.62	1301.58
MERCED	2013.34	906.77	2920.11
MODOC	95.89	129.21	225.11
MONO	273.59	64.37	337.95
MONTEREY	2258.51	1775.00	4033.51
NAPA	795.80	496.72	1292.52
NEVADA	756.42	452.91	1209.32
ORANGE	15607.90	13622.25	29230.15
PLACER	2094.91	1798.92	3893.84
PLUMAS	195.03	197.30	392.34
RIVERSIDE	12639.64	8576.90	21216.53
SACRAMENTO	6256.88	6871.80	13128.68
SAN BENITO	397.68	192.52	590.20
SAN BERNARDINO	14409.27	9200.95	23610.22
SAN DIEGO	18357.52	13505.37	31862.88
SAN FRANCISCO	1472.77	2242.57	3715.34
SAN JOAQUIN	4575.98	2779.03	7355.01
SAN LUIS OBISPO	2132.96	1106.38	3239.34
SAN MATEO	5278.24	2383.88	7662.12
SANTA BARBARA	2653.05	1481.39	4134.44
SANTA CLARA	8969.12	7714.48	16683.60
SANTA CRUZ	1178.93	1127.62	2306.56
SHASTA	1309.74	866.10	2175.84
SIERRA	69.60	55.40	124.99
SISKIYOU	664.66	339.52	1004.18
SOLANO	3672.76	1642.41	5315.16
SONOMA	2374.65	1978.34	4352.99
STANISLAUS	2140.68	2475.06	4615.73
SUTTER	555.23	414.23	969.46
TEHAMA	705.73	298.57	1004.29
TRINITY	135.06	67.99	203.05
TULARE	1983.80	1950.82	3934.63
TUOLUMNE	383.80	327.65	711.45
VENTURA	4208.40	3205.87	7414.28
YOLO	1464.83	856.03	2320.86
YUBA	376.42	378.55	754.96
TOTAL	203507.49	162890.51	366398.00

TABLE 2 - 2015 VMT BY COUNTY AND ROAD SYSTEM (MILLIONS)

COUNTY	STATE HWY	NON-STATE HWY	TOTAL
ALAMEDA	11309.60	6928.27	18237.87
ALPINE	66.35	16.95	83.31
AMADOR	412.27	103.82	516.08
BUTTE	893.05	1397.03	2290.08
CALAVERAS	376.35	159.39	535.74
COLUSA	627.00	160.52	787.51
CONTRA COSTA	6062.74	4806.91	10869.64
DEL NORTE	206.58	140.84	347.42
EL DORADO	1136.44	1018.58	2155.01
FRESNO	4398.39	5750.65	10149.04
GLENN	457.86	186.76	644.62
HUMBOLDT	927.57	651.39	1578.96
IMPERIAL	1626.26	803.29	2429.55
INYO	518.48	185.31	703.80
KERN	6114.83	4234.32	10349.15
KINGS	989.59	724.30	1713.89
LAKE	450.09	249.26	699.35
LASSEN	374.95	367.71	742.66
LOS ANGELES	50824.55	50407.98	101232.53
MADERA	1365.18	530.84	1896.02
MARIN	2028.09	1703.82	3731.91
MARIPOSA	169.90	181.07	350.97
MENDOCINO	913.94	567.53	1481.47
MERCED	2291.60	1032.09	3323.68
MODOC	109.15	147.07	256.22
MONO	311.40	73.26	384.66
MONTEREY	2570.64	2020.31	4590.96
NAPA	905.79	565.36	1471.15
NEVADA	860.96	515.50	1376.46
ORANGE	17764.99	15504.92	33269.90
PLACER	2384.44	2047.54	4431.98
PLUMAS	221.99	224.57	446.56
RIVERSIDE	14386.50	9762.26	24148.76
SACRAMENTO	7121.61	7821.51	14943.12
SAN BENITO	452.64	219.13	671.76
SAN BERNARDINO	16400.70	10472.56	26873.26
SAN DIEGO	20894.61	15371.88	36266.49
SAN FRANCISCO	1676.32	2552.50	4228.82
SAN JOAQUIN	5208.40	3163.11	8371.51
SAN LUIS OBISPO	2427.74	1259.29	3687.03
SAN MATEO	6007.72	2713.35	8721.06
SANTA BARBARA	3019.71	1686.13	4705.84
SANTA CLARA	10208.70	8780.66	18989.36
SANTA CRUZ	1341.87	1283.46	2625.33
SHASTA	1490.75	985.79	2476.55
SIERRA	79.22	63.05	142.27
SISKIYOU	756.52	386.45	1142.97
SOLANO	4180.35	1869.39	6049.74
SONOMA	2702.84	2251.76	4954.60
STANISLAUS	2436.53	2817.12	5253.65
SUTTER	631.96	471.48	1103.44
TEHAMA	803.26	339.83	1143.09
TRINITY	153.72	77.39	231.12
TULARE	2257.97	2220.44	4478.41
TUOLUMNE	436.85	372.93	809.77
VENTURA	4790.02	3648.94	8438.96
YOLO	1667.27	974.34	2641.61
YUBA	428.44	430.86	859.30
TOTAL	231633.22	185402.78	417036.00

TABLE 2 - 2020 VMT BY COUNTY AND ROAD SYSTEM (MILLIONS)

COUNTY	STATE HWY	NON-STATE HWY	TOTAL
ALAMEDA	12531.18	7676.60	20207.78
ALPINE	73.52	18.78	92.30
AMADOR	456.80	115.03	571.83
BUTTE	989.51	1547.92	2537.43
CALAVERAS	417.00	176.61	593.61
COLUSA	694.72	177.85	872.57
CONTRA COSTA	6717.59	5326.11	12043.70
DEL NORTE	228.89	156.06	384.95
EL DORADO	1259.19	1128.59	2387.78
FRESNO	4873.47	6371.79	11245.26
GLENN	507.32	206.93	714.25
HUMBOLDT	1027.75	721.75	1749.50
IMPERIAL	1801.92	890.05	2691.97
INYO	574.49	205.33	779.82
KERN	6775.30	4691.68	11466.98
KINGS	1096.48	802.53	1899.01
LAKE	498.71	276.19	774.89
LASSEN	415.45	407.42	822.87
LOS ANGELES	56314.23	55852.66	112166.89
MADERA	1512.63	588.18	2100.81
MARIN	2247.14	1887.85	4135.00
MARIPOSA	188.25	200.63	388.88
MENDOCINO	1012.65	628.83	1641.49
MERCED	2539.12	1143.57	3682.68
MODOC	120.94	162.95	283.89
MONO	345.03	81.18	426.21
MONTEREY	2848.30	2238.53	5086.83
NAPA	1003.62	626.43	1630.05
NEVADA	953.95	571.18	1525.13
ORANGE	19683.82	17179.64	36863.46
PLACER	2641.99	2268.70	4910.69
PLUMAS	245.97	248.83	494.79
RIVERSIDE	15940.42	10816.71	26757.13
SACRAMENTO	7890.83	8666.33	16557.16
SAN BENITO	501.53	242.79	744.32
SAN BERNARDINO	18172.18	11603.73	29775.91
SAN DIEGO	23151.49	17032.23	40183.71
SAN FRANCISCO	1857.38	2828.20	4685.58
SAN JOAQUIN	5770.97	3504.76	9275.74
SAN LUIS OBISPO	2689.97	1395.31	4085.28
SAN MATEO	6656.62	3006.42	9663.05
SANTA BARBARA	3345.88	1868.25	5214.13
SANTA CLARA	11311.36	9729.08	21040.44
SANTA CRUZ	1486.81	1422.09	2908.90
SHASTA	1651.77	1092.27	2744.05
SIERRA	87.77	69.86	157.64
SISKIYOU	838.23	428.19	1266.42
SOLANO	4631.88	2071.31	6703.19
SONOMA	2994.78	2494.98	5489.76
STANISLAUS	2699.71	3121.40	5821.11
SUTTER	700.22	522.41	1222.63
TEHAMA	890.02	376.54	1266.56
TRINITY	170.33	85.75	256.08
TULARE	2501.86	2460.27	4962.13
TUOLUMNE	484.03	413.21	897.24
VENTURA	5307.40	4043.07	9350.48
YOLO	1847.36	1079.58	2926.94
YUBA	474.72	477.40	952.12
TOTAL	256652.45	205428.55	462081.00

TABLE 2 - 2025 VMT BY COUNTY AND ROAD SYSTEM (MILLIONS)

COUNTY	STATE HWY	NON-STATE HWY	TOTAL
ALAMEDA	13696.80	8390.67	22087.47
ALPINE	80.36	20.53	100.89
AMADOR	499.29	125.73	625.02
BUTTE	1081.55	1691.91	2773.46
CALAVERAS	455.79	193.04	648.83
COLUSA	759.34	194.40	953.74
CONTRA COSTA	7342.44	5821.54	13163.98
DEL NORTE	250.18	170.57	420.76
EL DORADO	1376.31	1233.57	2609.89
FRESNO	5326.79	6964.48	12291.27
GLENN	554.50	226.18	780.68
HUMBOLDT	1123.35	788.89	1912.24
IMPERIAL	1969.53	972.84	2942.37
INYO	627.92	224.43	852.35
KERN	7405.53	5128.09	12533.62
KINGS	1198.47	877.18	2075.65
LAKE	545.10	301.88	846.97
LASSEN	454.09	445.32	899.42
LOS ANGELES	61552.48	61047.98	122600.46
MADERA	1653.33	642.89	2296.23
MARIN	2456.17	2063.46	4519.63
MARIPOSA	205.76	219.29	425.05
MENDOCINO	1106.85	687.33	1794.18
MERCED	2775.30	1249.94	4025.24
MODOC	132.19	178.11	310.30
MONO	377.12	88.73	465.85
MONTEREY	3113.25	2446.76	5560.00
NAPA	1096.98	684.70	1781.68
NEVADA	1042.68	624.31	1667.00
ORANGE	21514.78	18777.66	40292.44
PLACER	2887.74	2479.73	5367.48
PLUMAS	268.85	271.97	540.82
RIVERSIDE	17423.17	11822.86	29246.03
SACRAMENTO	8624.82	9472.46	18097.28
SAN BENITO	548.18	265.38	813.56
SAN BERNARDINO	19862.53	12683.09	32545.61
SAN DIEGO	25305.00	18616.54	43921.54
SAN FRANCISCO	2030.15	3091.28	5121.43
SAN JOAQUIN	6307.78	3830.77	10138.55
SAN LUIS OBISPO	2940.19	1525.10	4465.28
SAN MATEO	7275.81	3286.08	10561.89
SANTA BARBARA	3657.11	2042.03	5699.14
SANTA CLARA	12363.53	10634.06	22997.59
SANTA CRUZ	1625.11	1554.37	3179.48
SHASTA	1805.42	1193.87	2999.29
SIERRA	95.94	76.36	172.30
SISKIYOU	916.21	468.02	1384.22
SOLANO	5062.73	2263.98	7326.71
SONOMA	3273.35	2727.05	6000.41
STANISLAUS	2950.83	3411.75	6362.58
SUTTER	765.36	571.00	1336.36
TEHAMA	972.81	411.56	1384.37
TRINITY	186.17	93.73	279.90
TULARE	2734.58	2689.12	5423.70
TUOLUMNE	529.05	451.65	980.70
VENTURA	5801.09	4419.15	10220.24
YOLO	2019.20	1180.00	3199.20
YUBA	518.87	521.81	1040.68
TOTAL	280525.83	224537.17	505063.00

TABLE 2 - 2030 VMT BY COUNTY AND ROAD SYSTEM (MILLIONS)

COUNTY	STATE HWY	NON-STATE HWY	TOTAL
ALAMEDA	14984.36	9179.43	24163.79
ALPINE	87.91	22.46	110.37
AMADOR	546.22	137.55	683.77
BUTTE	1183.22	1850.95	3034.18
CALAVERAS	498.63	211.18	709.82
COLUSA	830.72	212.67	1043.39
CONTRA COSTA	8032.66	6368.79	14401.45
DEL NORTE	273.70	186.61	460.31
EL DORADO	1505.69	1349.54	2855.23
FRESNO	5827.53	7619.17	13446.70
GLENN	606.63	247.44	854.07
HUMBOLDT	1228.95	863.05	2092.00
IMPERIAL	2154.68	1064.29	3218.97
INYO	686.95	245.53	932.48
KERN	8101.68	5610.16	13711.83
KINGS	1311.13	959.64	2270.77
LAKE	596.34	330.25	926.59
LASSEN	496.78	487.19	983.96
LOS ANGELES	67338.67	66786.74	134125.41
MADERA	1808.75	703.33	2512.08
MARIN	2687.06	2257.43	4944.49
MARIPOSA	225.10	239.91	465.01
MENDOCINO	1210.90	751.94	1962.84
MERCED	3036.19	1367.44	4403.63
MODOC	144.61	194.86	339.47
MONO	412.58	97.07	509.64
MONTEREY	3405.90	2676.76	6082.67
NAPA	1200.10	749.06	1949.16
NEVADA	1140.70	683.00	1823.70
ORANGE	23537.26	20542.84	44080.09
PLACER	3159.20	2712.84	5872.04
PLUMAS	294.12	297.54	591.66
RIVERSIDE	19061.02	12934.26	31995.28
SACRAMENTO	9435.59	10362.91	19798.50
SAN BENITO	599.71	290.32	890.04
SAN BERNARDINO	21729.69	13875.35	35605.03
SAN DIEGO	27683.77	20366.57	48050.34
SAN FRANCISCO	2220.99	3381.87	5602.86
SAN JOAQUIN	6900.74	4190.88	11091.62
SAN LUIS OBISPO	3216.58	1668.46	4885.04
SAN MATEO	7959.77	3594.98	11554.75
SANTA BARBARA	4000.89	2233.99	6234.88
SANTA CLARA	13525.75	11633.70	25159.45
SANTA CRUZ	1777.87	1700.49	3478.37
SHASTA	1975.13	1306.10	3281.24
SIERRA	104.96	83.54	188.50
SISKIYOU	1002.33	512.01	1514.34
SOLANO	5538.64	2476.81	8015.45
SONOMA	3581.06	2983.41	6564.47
STANISLAUS	3228.22	3732.47	6960.69
SUTTER	837.30	624.68	1461.98
TEHAMA	1064.26	450.25	1514.51
TRINITY	203.67	102.54	306.21
TULARE	2991.64	2941.91	5933.55
TUOLUMNE	578.79	494.10	1072.89
VENTURA	6346.42	4834.57	11180.99
YOLO	2209.01	1290.92	3499.93
YUBA	567.65	570.86	1138.51
TOTAL	306896.41	245644.59	552541.00

APPENDIX C

VEHICLE FUEL CONSUMPTION BY COUNTY AND FUEL TYPE

This page intentionally left blank.

TABLE 3 - 2000 VFC BY COUNTY AND FUEL TYPE (MILLION GALLONS)

COUNTY	GASOLINE	DIESEL	TOTAL
ALAMEDA	653.376	99.330	752.706
ALPINE	2.650	0.408	3.059
AMADOR	17.115	2.774	19.889
BUTTE	93.391	12.767	106.159
CALAVERAS	18.011	2.522	20.532
COLUSA	23.092	12.050	35.142
CONTRA COSTA	370.883	53.103	423.986
DEL NORTE	11.149	2.315	13.464
EL DORADO	75.557	10.273	85.830
FRESNO	312.772	82.791	395.564
GLENN	19.630	8.607	28.237
HUMBOLDT	55.975	11.817	67.792
IMPERIAL	74.419	25.761	100.180
INYO	24.033	5.132	29.165
KERN	311.269	152.750	464.019
KINGS	50.008	18.711	68.718
LAKE	22.908	3.768	26.676
LASSEN	26.499	7.467	33.966
LOS ANGELES	3687.244	539.173	4226.416
MADERA	59.295	24.142	83.437
MARIN	130.150	14.896	145.046
MARIPOSA	12.286	1.104	13.390
MENDOCINO	52.947	8.813	61.759
MERCED	99.248	41.765	141.012
MODOC	8.630	2.498	11.128
MONO	13.547	3.015	16.562
MONTEREY	165.433	35.240	200.673
NAPA	53.296	9.764	63.060
NEVADA	49.821	12.489	62.310
ORANGE	1206.531	156.766	1363.297
PLACER	134.639	26.590	161.229
PLUMAS	16.343	3.567	19.910
RIVERSIDE	646.122	172.030	818.152
SACRAMENTO	483.659	79.986	563.645
SAN BENITO	24.345	6.965	31.310
SAN BERNARDINO	783.827	228.658	1012.485
SAN DIEGO	1222.122	154.059	1376.181
SAN FRANCISCO	181.247	15.156	196.403
SAN JOAQUIN	247.292	88.785	336.077
SAN LUIS OBISPO	121.548	25.156	146.704
SAN MATEO	346.404	36.871	383.275
SANTA BARBARA	165.768	27.635	193.403
SANTA CLARA	721.112	86.635	807.748
SANTA CRUZ	95.487	10.465	105.953
SHASTA	86.176	28.616	114.792
SIERRA	5.008	1.714	6.722
SISKIYOU	38.758	21.333	60.091
SOLANO	197.171	40.874	238.045
SONOMA	170.175	28.941	199.116
STANISLAUS	155.259	40.195	195.454
SUTTER	34.613	5.723	40.336
TEHAMA	37.278	16.373	53.651
TRINITY	8.432	2.073	10.505
TULARE	139.093	49.922	189.015
TUOLUMNE	26.480	3.533	30.013
VENTURA	299.855	40.762	340.617
YOLO	84.187	23.197	107.384
YUBA	27.976	4.935	32.911
TOTAL	14201.540	2632.760	16834.300

TABLE 3 - 2005 VFC BY COUNTY AND FUEL TYPE (MILLION GALLONS)

COUNTY	GASOLINE	DIESEL	TOTAL
ALAMEDA	666.346	102.008	768.354
ALPINE	3.044	0.453	3.497
AMADOR	18.856	3.371	22.227
BUTTE	83.671	14.224	97.895
CALAVERAS	19.574	2.946	22.520
COLUSA	28.773	14.610	43.382
CONTRA COSTA	397.138	50.604	447.742
DEL NORTE	12.694	2.254	14.947
EL DORADO	78.736	11.984	90.720
FRESNO	370.809	99.898	470.707
GLENN	23.552	10.809	34.361
HUMBOLDT	57.689	13.371	71.061
IMPERIAL	88.767	28.282	117.049
INYO	25.714	5.739	31.453
KERN	378.121	172.521	550.642
KINGS	62.619	24.236	86.855
LAKE	25.552	5.276	30.828
LASSEN	27.134	7.890	35.024
LOS ANGELES	3698.674	608.609	4307.282
MADERA	69.274	28.271	97.545
MARIN	136.350	13.811	150.162
MARIPOSA	12.823	1.325	14.148
MENDOCINO	54.128	10.536	64.664
MERCED	121.435	47.208	168.644
MODOC	9.361	2.764	12.126
MONO	14.054	3.126	17.180
MONTEREY	167.737	38.889	206.626
NAPA	53.751	7.626	61.376
NEVADA	50.291	13.184	63.475
ORANGE	1215.563	170.467	1386.030
PLACER	161.929	35.238	197.167
PLUMAS	16.316	3.335	19.651
RIVERSIDE	882.309	223.198	1105.507
SACRAMENTO	545.968	93.306	639.274
SAN BENITO	24.544	7.529	32.073
SAN BERNARDINO	981.853	273.928	1255.781
SAN DIEGO	1325.047	181.769	1506.816
SAN FRANCISCO	154.506	14.176	168.682
SAN JOAQUIN	305.865	97.792	403.657
SAN LUIS OBISPO	134.711	27.923	162.634
SAN MATEO	318.636	32.093	350.730
SANTA BARBARA	171.935	27.694	199.629
SANTA CLARA	693.803	85.503	779.306
SANTA CRUZ	95.920	10.794	106.714
SHASTA	90.484	27.549	118.033
SIERRA	5.198	1.615	6.813
SISKIYOU	41.760	18.879	60.638
SOLANO	221.036	34.040	255.076
SONOMA	181.023	27.259	208.282
STANISLAUS	191.950	53.857	245.807
SUTTER	40.316	6.991	47.307
TEHAMA	41.765	16.276	58.041
TRINITY	8.444	1.971	10.415
TULARE	163.625	59.110	222.735
TUOLUMNE	29.586	4.343	33.929
VENTURA	308.330	44.660	352.990
YOLO	96.515	27.937	124.452
YUBA	31.396	7.943	39.339
TOTAL	15237.000	2963.000	18201.000

TABLE 3 - 2006 VFC BY COUNTY AND FUEL TYPE (MILLION GALLONS)

COUNTY	GASOLINE	DIESEL	TOTAL
ALAMEDA	671.200	104.005	775.205
ALPINE	3.066	0.462	3.528
AMADOR	18.993	3.437	22.430
BUTTE	84.281	14.503	98.783
CALAVERAS	19.717	3.003	22.720
COLUSA	28.982	14.896	43.878
CONTRA COSTA	400.031	51.594	451.625
DEL NORTE	12.786	2.298	15.084
EL DORADO	79.310	12.218	91.528
FRESNO	373.511	101.853	475.364
GLENN	23.724	11.021	34.744
HUMBOLDT	58.110	13.633	71.743
IMPERIAL	89.414	28.836	118.250
INYO	25.902	5.851	31.753
KERN	380.875	175.899	556.774
KINGS	63.075	24.710	87.786
LAKE	25.738	5.380	31.118
LASSEN	27.332	8.045	35.376
LOS ANGELES	3725.618	620.522	4346.140
MADERA	69.778	28.825	98.603
MARIN	137.344	14.082	151.425
MARIPOSA	12.917	1.351	14.268
MENDOCINO	54.522	10.743	65.265
MERCED	122.320	48.132	170.452
MODOC	9.429	2.818	12.248
MONO	14.156	3.187	17.344
MONTEREY	168.959	39.650	208.609
NAPA	54.142	7.775	61.917
NEVADA	50.657	13.442	64.099
ORANGE	1224.418	173.804	1398.223
PLACER	163.108	35.928	199.036
PLUMAS	16.435	3.400	19.835
RIVERSIDE	888.737	227.567	1116.304
SACRAMENTO	549.945	95.133	645.078
SAN BENITO	24.723	7.677	32.399
SAN BERNARDINO	989.005	279.290	1268.295
SAN DIEGO	1334.700	185.327	1520.027
SAN FRANCISCO	155.631	14.454	170.085
SAN JOAQUIN	308.093	99.707	407.800
SAN LUIS OBISPO	135.692	28.469	164.162
SAN MATEO	320.958	32.721	353.679
SANTA BARBARA	173.187	28.236	201.423
SANTA CLARA	698.857	87.177	786.034
SANTA CRUZ	96.619	11.005	107.624
SHASTA	91.143	28.088	119.231
SIERRA	5.236	1.647	6.883
SISKIYOU	42.064	19.248	61.312
SOLANO	222.646	34.706	257.352
SONOMA	182.342	27.792	210.134
STANISLAUS	193.348	54.911	248.259
SUTTER	40.610	7.128	47.738
TEHAMA	42.069	16.595	58.664
TRINITY	8.506	2.010	10.515
TULARE	164.817	60.267	225.084
TUOLUMNE	29.802	4.428	34.230
VENTURA	310.576	45.534	356.110
YOLO	97.218	28.484	125.702
YUBA	31.625	8.099	39.723
TOTAL	15348.000	3021.000	18369.000

TABLE 3 - 2010 VFC BY COUNTY AND FUEL TYPE (MILLION GALLONS)

COUNTY	GASOLINE	DIESEL	TOTAL
ALAMEDA	731.813	112.612	844.425
ALPINE	3.343	0.500	3.843
AMADOR	20.708	3.721	24.430
BUTTE	91.892	15.703	107.595
CALAVERAS	21.497	3.252	24.749
COLUSA	31.600	16.128	47.728
CONTRA COSTA	436.156	55.864	492.020
DEL NORTE	13.941	2.488	16.429
EL DORADO	86.472	13.229	99.702
FRESNO	407.241	110.282	517.522
GLENN	25.866	11.933	37.799
HUMBOLDT	63.357	14.761	78.119
IMPERIAL	97.488	31.222	128.711
INYO	28.241	6.335	34.576
KERN	415.270	190.455	605.725
KINGS	68.771	26.755	95.527
LAKE	28.062	5.825	33.887
LASSEN	29.800	8.710	38.510
LOS ANGELES	4062.060	671.873	4733.933
MADERA	76.080	31.210	107.290
MARIN	149.747	15.247	164.993
MARIPOSA	14.083	1.463	15.546
MENDOCINO	59.446	11.632	71.077
MERCED	133.366	52.115	185.482
MODOC	10.281	3.052	13.333
MONO	15.435	3.451	18.886
MONTEREY	184.217	42.931	227.148
NAPA	59.031	8.418	67.450
NEVADA	55.232	14.554	69.786
ORANGE	1334.989	188.187	1523.177
PLACER	177.838	38.901	216.739
PLUMAS	17.919	3.682	21.601
RIVERSIDE	968.994	246.399	1215.393
SACRAMENTO	599.608	103.005	702.614
SAN BENITO	26.955	8.312	35.267
SAN BERNARDINO	1078.317	302.402	1380.720
SAN DIEGO	1455.230	200.663	1655.894
SAN FRANCISCO	169.686	15.650	185.335
SAN JOAQUIN	335.916	107.958	443.873
SAN LUIS OBISPO	147.946	30.825	178.771
SAN MATEO	349.942	35.429	385.371
SANTA BARBARA	188.827	30.573	219.400
SANTA CLARA	761.967	94.391	856.359
SANTA CRUZ	105.344	11.916	117.260
SHASTA	99.374	30.412	129.786
SIERRA	5.709	1.783	7.492
SISKIYOU	45.863	20.841	66.704
SOLANO	242.752	37.578	280.330
SONOMA	198.808	30.092	228.900
STANISLAUS	210.808	59.455	270.264
SUTTER	44.277	7.718	51.995
TEHAMA	45.868	17.968	63.836
TRINITY	9.274	2.176	11.450
TULARE	179.701	65.254	244.955
TUOLUMNE	32.493	4.794	37.287
VENTURA	338.622	49.302	387.925
YOLO	105.997	30.841	136.838
YUBA	34.480	8.769	43.250
TOTAL	16734.000	3271.000	20005.000

TABLE 3 - 2015 VFC BY COUNTY AND FUEL TYPE (MILLION GALLONS)

COUNTY	GASOLINE	DIESEL	TOTAL
ALAMEDA	820.414	125.350	945.764
ALPINE	3.747	0.557	4.304
AMADOR	23.216	4.142	27.358
BUTTE	103.017	17.479	120.496
CALAVERAS	24.100	3.620	27.720
COLUSA	35.425	17.953	53.378
CONTRA COSTA	488.961	62.183	551.145
DEL NORTE	15.629	2.770	18.398
EL DORADO	96.941	14.726	111.667
FRESNO	456.546	122.757	579.302
GLENN	28.998	13.282	42.280
HUMBOLDT	71.028	16.431	87.459
IMPERIAL	109.291	34.754	144.045
INYO	31.660	7.052	38.712
KERN	465.547	211.998	677.546
KINGS	77.098	29.782	106.879
LAKE	31.460	6.484	37.944
LASSEN	33.408	9.695	43.103
LOS ANGELES	4553.857	747.872	5301.729
MADERA	85.291	34.740	120.031
MARIN	167.877	16.971	184.848
MARIPOSA	15.788	1.629	17.417
MENDOCINO	66.643	12.947	79.590
MERCED	149.513	58.010	207.523
MODOC	11.526	3.397	14.923
MONO	17.304	3.841	21.145
MONTEREY	206.520	47.787	254.307
NAPA	66.178	9.371	75.549
NEVADA	61.919	16.201	78.119
ORANGE	1496.618	209.474	1706.092
PLACER	199.369	43.301	242.670
PLUMAS	20.088	4.098	24.186
RIVERSIDE	1086.311	274.271	1360.582
SACRAMENTO	672.203	114.657	786.860
SAN BENITO	30.219	9.252	39.471
SAN BERNARDINO	1208.870	336.609	1545.479
SAN DIEGO	1631.416	223.361	1854.778
SAN FRANCISCO	190.230	17.420	207.650
SAN JOAQUIN	376.585	120.170	496.755
SAN LUIS OBISPO	165.858	34.312	200.170
SAN MATEO	392.309	39.437	431.746
SANTA BARBARA	211.688	34.031	245.719
SANTA CLARA	854.220	105.068	959.288
SANTA CRUZ	118.098	13.264	131.362
SHASTA	111.405	33.852	145.258
SIERRA	6.400	1.985	8.385
SISKIYOU	51.415	23.198	74.614
SOLANO	272.142	41.829	313.971
SONOMA	222.878	33.496	256.374
STANISLAUS	236.331	66.181	302.512
SUTTER	49.637	8.591	58.228
TEHAMA	51.421	20.001	71.422
TRINITY	10.397	2.422	12.819
TULARE	201.457	72.635	274.093
TUOLUMNE	36.427	5.336	41.763
VENTURA	379.619	54.879	434.499
YOLO	118.831	34.330	153.160
YUBA	38.655	9.761	48.416
TOTAL	18760.000	3641.000	22401.000

TABLE 3 - 2020 VFC BY COUNTY AND FUEL TYPE (MILLION GALLONS)

COUNTY	GASOLINE	DIESEL	TOTAL
ALAMEDA	901.756	138.226	1039.982
ALPINE	4.119	0.614	4.733
AMADOR	25.517	4.568	30.085
BUTTE	113.231	19.274	132.506
CALAVERAS	26.489	3.992	30.481
COLUSA	38.938	19.797	58.735
CONTRA COSTA	537.441	68.570	606.011
DEL NORTE	17.178	3.054	20.232
EL DORADO	106.553	16.238	122.791
FRESNO	501.811	135.366	637.177
GLENN	31.873	14.647	46.520
HUMBOLDT	78.070	18.119	96.189
IMPERIAL	120.127	38.324	158.451
INYO	34.799	7.776	42.575
KERN	511.705	233.774	745.480
KINGS	84.742	32.841	117.583
LAKE	34.579	7.150	41.729
LASSEN	36.720	10.691	47.411
LOS ANGELES	5005.359	824.692	5830.051
MADERA	93.747	38.309	132.056
MARIN	184.521	18.715	203.236
MARIPOSA	17.353	1.796	19.149
MENDOCINO	73.250	14.277	87.527
MERCED	164.337	63.969	228.306
MODOC	12.668	3.746	16.414
MONO	19.019	4.236	23.255
MONTEREY	226.996	52.696	279.692
NAPA	72.740	10.333	83.073
NEVADA	68.058	17.865	85.923
ORANGE	1645.003	230.991	1875.994
PLACER	219.136	47.749	266.884
PLUMAS	22.080	4.519	26.599
RIVERSIDE	1194.016	302.444	1496.459
SACRAMENTO	738.850	126.434	865.285
SAN BENITO	33.215	10.203	43.417
SAN BERNARDINO	1328.726	371.185	1699.911
SAN DIEGO	1793.167	246.305	2039.471
SAN FRANCISCO	209.090	19.209	228.300
SAN JOAQUIN	413.923	132.513	546.436
SAN LUIS OBISPO	182.302	37.837	220.139
SAN MATEO	431.206	43.488	474.694
SANTA BARBARA	232.676	37.527	270.203
SANTA CLARA	938.913	115.861	1054.774
SANTA CRUZ	129.807	14.626	144.433
SHASTA	122.451	37.330	159.780
SIERRA	7.034	2.189	9.223
SISKIYOU	56.513	25.581	82.094
SOLANO	299.125	46.125	345.250
SONOMA	244.976	36.937	281.913
STANISLAUS	259.762	72.979	332.741
SUTTER	54.559	9.473	64.032
TEHAMA	56.519	22.055	78.574
TRINITY	11.427	2.671	14.098
TULARE	221.431	80.097	301.528
TUOLUMNE	40.039	5.885	45.923
VENTURA	417.258	60.516	477.774
YOLO	130.612	37.856	168.468
YUBA	42.488	10.764	53.251
TOTAL	20620.000	4015.000	24636.000

TABLE 3 - 2025 VFC BY COUNTY AND FUEL TYPE (MILLION GALLONS)

COUNTY	GASOLINE	DIESEL	TOTAL
ALAMEDA	982.442	150.619	1133.061
ALPINE	4.488	0.669	5.156
AMADOR	27.801	4.978	32.778
BUTTE	123.362	21.003	144.365
CALAVERAS	28.860	4.349	33.209
COLUSA	42.422	21.572	63.994
CONTRA COSTA	585.529	74.719	660.247
DEL NORTE	18.715	3.328	22.043
EL DORADO	116.087	17.694	133.781
FRESNO	546.711	147.503	694.214
GLENN	34.725	15.960	50.685
HUMBOLDT	85.056	19.744	104.799
IMPERIAL	130.876	41.760	172.636
INYO	37.912	8.473	46.386
KERN	557.491	254.736	812.226
KINGS	92.324	35.785	128.110
LAKE	37.673	7.791	45.464
LASSEN	40.006	11.650	51.656
LOS ANGELES	5453.219	898.638	6351.857
MADERA	102.135	41.744	143.879
MARIN	201.031	20.393	221.424
MARIPOSA	18.906	1.957	20.863
MENDOCINO	79.804	15.558	95.362
MERCED	179.041	69.705	248.746
MODOC	13.802	4.082	17.884
MONO	20.721	4.616	25.337
MONTEREY	247.307	57.421	304.727
NAPA	79.248	11.260	90.508
NEVADA	74.147	19.467	93.614
ORANGE	1792.192	251.703	2043.894
PLACER	238.743	52.030	290.773
PLUMAS	24.055	4.925	28.980
RIVERSIDE	1300.852	329.562	1630.413
SACRAMENTO	804.960	137.771	942.731
SAN BENITO	36.187	11.117	47.304
SAN BERNARDINO	1447.616	404.467	1852.082
SAN DIEGO	1953.612	268.389	2222.002
SAN FRANCISCO	227.799	20.932	248.731
SAN JOAQUIN	450.959	144.395	595.354
SAN LUIS OBISPO	198.614	41.229	239.843
SAN MATEO	469.788	47.387	517.176
SANTA BARBARA	253.495	40.892	294.387
SANTA CLARA	1022.923	126.249	1149.173
SANTA CRUZ	141.422	15.937	157.360
SHASTA	133.407	40.677	174.084
SIERRA	7.664	2.385	10.049
SISKIYOU	61.570	27.875	89.445
SOLANO	325.889	50.261	376.150
SONOMA	266.896	40.248	307.144
STANISLAUS	283.005	79.522	362.527
SUTTER	59.441	10.323	69.763
TEHAMA	61.576	24.033	85.609
TRINITY	12.450	2.910	15.360
TULARE	241.244	87.278	328.522
TUOLUMNE	43.621	6.412	50.033
VENTURA	454.592	65.943	520.535
YOLO	142.299	41.250	183.549
YUBA	46.289	11.729	58.018
TOTAL	22465.000	4375.000	26839.000

TABLE 3 - 2030 VFC BY COUNTY AND FUEL TYPE (MILLION GALLONS)

COUNTY	GASOLINE	DIESEL	TOTAL
ALAMEDA	1073.623	165.113	1238.737
ALPINE	4.904	0.733	5.637
AMADOR	30.381	5.456	35.837
BUTTE	134.812	23.024	157.836
CALAVERAS	31.538	4.768	36.306
COLUSA	46.359	23.648	70.007
CONTRA COSTA	639.872	81.909	721.781
DEL NORTE	20.452	3.648	24.100
EL DORADO	126.861	19.397	146.258
FRESNO	597.452	161.697	759.149
GLENN	37.947	17.496	55.443
HUMBOLDT	92.950	21.643	114.593
IMPERIAL	143.022	45.779	188.801
INYO	41.431	9.289	50.720
KERN	609.232	279.248	888.480
KINGS	100.893	39.229	140.122
LAKE	41.169	8.541	49.710
LASSEN	43.719	12.771	56.490
LOS ANGELES	5959.338	985.112	6944.451
MADERA	111.615	45.761	157.375
MARIN	219.689	22.355	242.044
MARIPOSA	20.661	2.145	22.806
MENDOCINO	87.211	17.055	104.266
MERCED	195.658	76.412	272.070
MODOC	15.083	4.474	19.557
MONO	22.644	5.060	27.704
MONTEREY	270.260	62.946	333.206
NAPA	86.603	12.343	98.947
NEVADA	81.029	21.340	102.369
ORANGE	1958.527	275.924	2234.450
PLACER	260.901	57.037	317.938
PLUMAS	26.288	5.398	31.686
RIVERSIDE	1421.585	361.275	1782.860
SACRAMENTO	879.669	151.028	1030.697
SAN BENITO	39.545	12.187	51.732
SAN BERNARDINO	1581.970	443.388	2025.358
SAN DIEGO	2134.929	294.216	2429.145
SAN FRANCISCO	248.941	22.946	271.887
SAN JOAQUIN	492.813	158.290	651.102
SAN LUIS OBISPO	217.048	45.196	262.244
SAN MATEO	513.390	51.947	565.337
SANTA BARBARA	277.023	44.827	321.849
SANTA CLARA	1117.862	138.398	1256.260
SANTA CRUZ	154.548	17.471	172.019
SHASTA	145.789	44.591	190.380
SIERRA	8.375	2.615	10.990
SISKIYOU	67.284	30.557	97.841
SOLANO	356.135	55.097	411.233
SONOMA	291.666	44.121	335.788
STANISLAUS	309.271	87.175	396.446
SUTTER	64.957	11.316	76.273
TEHAMA	67.291	26.345	93.637
TRINITY	13.605	3.190	16.796
TULARE	263.634	95.677	359.311
TUOLUMNE	47.670	7.029	54.699
VENTURA	496.783	72.288	569.072
YOLO	155.506	45.220	200.726
YUBA	50.585	12.857	63.443
TOTAL	24550.000	4796.000	29346.000

APPENDIX D

**TRUCK MILES OF TRAVEL
BY COUNTY AND ROAD SYSTEM**

This page intentionally left blank.

TABLE 4 - 2000 TMT BY COUNTY AND ROAD SYSTEM (MILLIONS)

COUNTY	STATE HIGHWAY	NON-STATE HWY	TOTAL
ALAMEDA	580.291	214.801	795.091
ALPINE	2.789	0.480	3.269
AMADOR	17.591	4.725	22.317
BUTTE	49.262	52.171	101.433
CALAVERAS	14.032	5.993	20.025
COLUSA	96.022	6.768	102.789
CONTRA COSTA	281.663	141.243	422.906
DEL NORTE	14.996	4.001	18.997
EL DORADO	45.642	35.841	81.483
FRESNO	474.678	215.784	690.462
GLENN	64.699	8.405	73.105
HUMBOLDT	70.031	27.138	97.169
IMPERIAL	186.535	30.496	217.031
INYO	36.731	5.418	42.149
KERN	1109.778	192.524	1302.302
KINGS	127.227	31.001	158.227
LAKE	21.109	9.283	30.393
LASSEN	43.865	18.596	62.461
LOS ANGELES	2591.534	1715.261	4306.795
MADERA	167.997	36.728	204.725
MARIN	74.150	41.441	115.591
MARIPOSA	5.147	3.106	8.253
MENDOCINO	51.317	19.823	71.140
MERCED	308.646	45.666	354.312
MODOC	13.563	7.373	20.936
MONO	21.764	3.061	24.826
MONTEREY	221.029	68.760	289.789
NAPA	58.877	20.557	79.434
NEVADA	85.365	18.283	103.648
ORANGE	731.272	505.308	1236.580
PLACER	171.673	45.731	217.405
PLUMAS	19.589	9.828	29.417
RIVERSIDE	1151.737	281.089	1432.825
SACRAMENTO	421.036	224.937	645.973
SAN BENITO	44.845	13.409	58.254
SAN BERNARDINO	1599.259	313.180	1912.438
SAN DIEGO	824.038	385.445	1209.483
SAN FRANCISCO	48.249	63.929	112.178
SAN JOAQUIN	602.655	146.985	749.640
SAN LUIS OBISPO	157.664	48.792	206.456
SAN MATEO	207.012	75.866	282.878
SANTA BARBARA	172.877	50.076	222.953
SANTA CLARA	410.624	266.197	676.821
SANTA CRUZ	49.388	31.375	80.763
SHASTA	195.352	45.471	240.823
SIERRA	11.752	2.692	14.444
SISKIYOU	162.339	19.998	182.338
SOLANO	277.978	57.209	335.187
SONOMA	151.286	83.033	234.319
STANISLAUS	220.281	114.659	334.940
SUTTER	33.145	13.030	46.175
TEHAMA	121.662	17.431	139.093
TRINITY	13.088	4.112	17.201
TULARE	306.069	115.872	421.941
TUOLUMNE	17.725	10.211	27.936
VENTURA	209.647	113.254	322.901
YOLO	162.114	31.348	193.462
YUBA	24.994	15.094	40.089
TOTAL	15355.684	6090.287	21445.971

TABLE 4 - 2005 TMT BY COUNTY AND ROAD SYSTEM (MILLIONS)

COUNTY	STATE HIGHWAY	NON-STATE HWY	TOTAL
ALAMEDA	554.399	219.094	773.493
ALPINE	3.048	0.546	3.594
AMADOR	21.411	5.265	26.675
BUTTE	53.470	50.455	103.925
CALAVERAS	15.701	6.533	22.234
COLUSA	119.629	8.684	128.313
CONTRA COSTA	231.422	133.219	364.641
DEL NORTE	13.417	4.486	17.903
EL DORADO	49.514	38.234	87.749
FRESNO	570.704	231.618	802.322
GLENN	82.379	10.917	93.297
HUMBOLDT	76.383	29.915	106.298
IMPERIAL	203.694	34.983	238.678
INYO	41.627	6.036	47.663
KERN	1249.039	226.486	1475.525
KINGS	160.862	42.097	202.958
LAKE	29.860	11.739	41.599
LASSEN	43.316	19.886	63.202
LOS ANGELES	2741.780	1771.952	4513.731
MADERA	200.518	39.362	239.880
MARIN	58.337	37.429	95.767
MARIPOSA	5.642	3.514	9.156
MENDOCINO	60.533	22.051	82.584
MERCED	353.589	50.303	403.892
MODOC	14.222	7.854	22.075
MONO	22.580	3.236	25.817
MONTEREY	242.587	69.700	312.287
NAPA	39.929	17.087	57.016
NEVADA	85.953	21.840	107.793
ORANGE	736.806	496.194	1233.000
PLACER	211.914	68.647	280.561
PLUMAS	16.074	9.537	25.611
RIVERSIDE	1486.580	350.742	1837.322
SACRAMENTO	443.883	257.830	701.713
SAN BENITO	49.059	13.294	62.352
SAN BERNARDINO	1899.551	381.914	2281.466
SAN DIEGO	930.437	417.535	1347.972
SAN FRANCISCO	30.572	56.206	86.777
SAN JOAQUIN	658.920	154.834	813.754
SAN LUIS OBISPO	167.540	54.484	222.024
SAN MATEO	158.774	65.579	224.353
SANTA BARBARA	169.124	46.675	215.798
SANTA CLARA	369.532	237.953	607.485
SANTA CRUZ	46.074	29.441	75.515
SHASTA	180.503	46.459	226.962
SIERRA	10.471	2.883	13.354
SISKIYOU	141.614	20.821	162.434
SOLANO	212.180	52.456	264.636
SONOMA	126.511	75.135	201.646
STANISLAUS	297.371	134.127	431.498
SUTTER	41.969	12.969	54.938
TEHAMA	119.531	19.121	138.652
TRINITY	12.320	3.571	15.891
TULARE	364.198	123.562	487.759
TUOLUMNE	20.717	11.677	32.394
VENTURA	212.266	116.444	328.710
YOLO	197.057	36.356	233.413
YUBA	43.654	19.581	63.236
TOTAL	16700.746	6440.547	23141.293

TABLE 4 - 2006 TMT BY COUNTY AND ROAD SYSTEM (MILLIONS)

COUNTY	STATE HIGHWAY	NON-STATE HWY	TOTAL
ALAMEDA	570.155	225.305	795.460
ALPINE	3.135	0.561	3.696
AMADOR	22.020	5.413	27.433
BUTTE	54.990	51.887	106.876
CALAVERAS	16.147	6.718	22.865
COLUSA	123.029	8.928	131.957
CONTRA COSTA	237.999	136.998	374.997
DEL NORTE	13.798	4.613	18.411
EL DORADO	50.921	39.320	90.241
FRESNO	586.923	238.185	825.108
GLENN	84.720	11.226	95.947
HUMBOLDT	78.554	30.763	109.317
IMPERIAL	209.483	35.973	245.456
INYO	42.810	6.207	49.017
KERN	1284.537	232.893	1517.430
KINGS	165.434	43.288	208.722
LAKE	30.709	12.072	42.780
LASSEN	44.547	20.450	64.997
LOS ANGELES	2819.701	1822.220	4641.921
MADERA	206.217	40.476	246.693
MARIN	59.995	38.492	98.487
MARIPOSA	5.802	3.614	9.416
MENDOCINO	62.253	22.676	84.929
MERCED	363.638	51.725	415.363
MODOC	14.626	8.076	22.702
MONO	23.222	3.328	26.550
MONTEREY	249.481	71.675	321.156
NAPA	41.064	17.571	58.635
NEVADA	88.396	22.459	110.854
ORANGE	757.746	510.271	1268.017
PLACER	217.937	70.592	288.529
PLUMAS	16.531	9.808	26.338
RIVERSIDE	1528.829	360.673	1889.502
SACRAMENTO	456.498	265.144	721.642
SAN BENITO	50.453	13.670	64.123
SAN BERNARDINO	1953.536	392.723	2346.260
SAN DIEGO	956.880	429.374	1386.254
SAN FRANCISCO	31.441	57.801	89.241
SAN JOAQUIN	677.646	159.218	836.865
SAN LUIS OBISPO	172.301	56.028	228.329
SAN MATEO	163.286	67.438	230.725
SANTA BARBARA	173.931	47.996	221.927
SANTA CLARA	380.034	244.703	624.738
SANTA CRUZ	47.383	30.276	77.660
SHASTA	185.633	47.775	233.408
SIERRA	10.769	2.965	13.733
SISKIYOU	145.639	21.408	167.047
SOLANO	218.210	53.942	272.152
SONOMA	130.106	77.266	207.373
STANISLAUS	305.822	137.930	443.753
SUTTER	43.162	13.336	56.498
TEHAMA	122.928	19.662	142.590
TRINITY	12.670	3.672	16.342
TULARE	374.549	127.063	501.611
TUOLUMNE	21.306	12.008	33.314
VENTURA	218.299	119.747	338.045
YOLO	202.657	37.385	240.042
YUBA	44.895	20.137	65.032
TOTAL	17175.381	6623.125	23798.506

TABLE 4 - 2010 TMT BY COUNTY AND ROAD SYSTEM (MILLIONS)

COUNTY	STATE HIGHWAY	NON-STATE HWY	TOTAL
ALAMEDA	632.458	249.989	882.447
ALPINE	3.477	0.623	4.100
AMADOR	24.426	6.007	30.432
BUTTE	60.999	57.565	118.564
CALAVERAS	17.912	7.454	25.366
COLUSA	136.473	9.914	146.387
CONTRA COSTA	264.006	151.998	416.004
DEL NORTE	15.306	5.119	20.425
EL DORADO	56.486	43.624	100.109
FRESNO	651.059	264.278	915.337
GLENN	93.978	12.461	106.439
HUMBOLDT	87.138	34.133	121.271
IMPERIAL	232.374	39.924	272.298
INYO	47.488	6.889	54.377
KERN	1424.903	258.463	1683.366
KINGS	183.511	48.035	231.547
LAKE	34.064	13.394	47.459
LASSEN	49.415	22.690	72.105
LOS ANGELES	3127.821	2021.711	5149.532
MADERA	228.751	44.919	273.669
MARIN	66.551	42.706	109.257
MARIPOSA	6.436	4.009	10.446
MENDOCINO	69.056	25.161	94.217
MERCED	403.374	57.410	460.784
MODOC	16.224	8.960	25.184
MONO	25.759	3.694	29.454
MONTEREY	276.743	79.532	356.276
NAPA	45.551	19.496	65.047
NEVADA	98.055	24.922	122.977
ORANGE	840.548	566.132	1406.680
PLACER	241.751	78.329	320.081
PLUMAS	18.337	10.881	29.219
RIVERSIDE	1695.890	400.236	2096.126
SACRAMENTO	506.381	294.174	800.556
SAN BENITO	55.966	15.168	71.135
SAN BERNARDINO	2167.007	435.825	2602.832
SAN DIEGO	1061.442	476.404	1537.846
SAN FRANCISCO	34.877	64.124	99.000
SAN JOAQUIN	751.696	176.683	928.379
SAN LUIS OBISPO	191.130	62.169	253.298
SAN MATEO	181.129	74.826	255.955
SANTA BARBARA	192.937	53.259	246.195
SANTA CLARA	421.562	271.493	693.055
SANTA CRUZ	52.561	33.591	86.152
SHASTA	205.918	53.014	258.932
SIERRA	11.945	3.290	15.235
SISKIYOU	161.553	23.761	185.314
SOLANO	242.055	59.858	301.912
SONOMA	144.324	85.726	230.050
STANISLAUS	339.241	153.038	492.279
SUTTER	47.878	14.798	62.677
TEHAMA	136.361	21.822	158.182
TRINITY	14.055	4.075	18.129
TULARE	415.477	140.988	556.464
TUOLUMNE	23.634	13.323	36.957
VENTURA	242.153	132.859	375.012
YOLO	224.803	41.489	266.291
YUBA	49.800	22.343	72.143
TOTAL	19052.202	7348.758	26400.960

TABLE 4 - 2015 TMT BY COUNTY AND ROAD SYSTEM (MILLIONS)

COUNTY	STATE HIGHWAY	NON-STATE HWY	TOTAL
ALAMEDA	717.481	283.543	1001.024
ALPINE	3.945	0.707	4.651
AMADOR	27.709	6.812	34.522
BUTTE	69.199	65.297	134.496
CALAVERAS	20.320	8.455	28.774
COLUSA	154.819	11.238	166.058
CONTRA COSTA	299.497	172.407	471.904
DEL NORTE	17.364	5.806	23.169
EL DORADO	64.079	49.482	113.561
FRESNO	738.582	299.751	1038.333
GLENN	106.612	14.130	120.741
HUMBOLDT	98.852	38.715	137.567
IMPERIAL	263.613	45.275	308.888
INYO	53.872	7.812	61.684
KERN	1616.457	293.109	1909.566
KINGS	208.181	54.479	262.660
LAKE	38.644	15.192	53.836
LASSEN	56.058	25.736	81.794
LOS ANGELES	3548.302	2293.189	5841.491
MADERA	259.502	50.941	310.443
MARIN	75.497	48.440	123.938
MARIPOSA	7.302	4.548	11.849
MENDOCINO	78.339	28.538	106.877
MERCED	457.601	65.100	522.701
MODOC	18.406	10.163	28.569
MONO	29.222	4.189	33.411
MONTEREY	313.946	90.203	404.149
NAPA	51.675	22.113	73.788
NEVADA	111.237	28.264	139.501
ORANGE	953.545	642.155	1595.700
PLACER	274.251	88.840	363.091
PLUMAS	20.802	12.342	33.145
RIVERSIDE	1923.873	453.916	2377.789
SACRAMENTO	574.456	333.673	908.129
SAN BENITO	63.490	17.203	80.693
SAN BERNARDINO	2458.323	494.259	2952.582
SAN DIEGO	1204.134	540.357	1744.492
SAN FRANCISCO	39.565	72.738	112.303
SAN JOAQUIN	852.748	200.380	1053.128
SAN LUIS OBISPO	216.824	70.511	287.335
SAN MATEO	205.479	84.870	290.349
SANTA BARBARA	218.874	60.404	279.277
SANTA CLARA	478.234	307.949	786.183
SANTA CRUZ	59.627	38.101	97.729
SHASTA	233.600	60.125	293.725
SIERRA	13.551	3.731	17.282
SISKIYOU	183.271	26.944	210.216
SOLANO	274.595	67.886	342.481
SONOMA	163.725	97.237	260.962
STANISLAUS	384.846	173.582	558.428
SUTTER	54.315	16.784	71.099
TEHAMA	154.692	24.746	179.438
TRINITY	15.944	4.621	20.565
TULARE	471.331	159.908	631.238
TUOLUMNE	26.811	15.112	41.923
VENTURA	274.706	150.697	425.403
YOLO	255.023	47.050	302.074
YUBA	56.495	25.342	81.838
TOTAL	21613.440	8335.100	29948.540

TABLE 4 - 2020 TMT BY COUNTY AND ROAD SYSTEM (MILLIONS)

COUNTY	STATE HIGHWAY	NON-STATE HWY	TOTAL
ALAMEDA	801.482	316.739	1118.221
ALPINE	4.406	0.789	5.196
AMADOR	30.953	7.610	38.563
BUTTE	77.300	72.942	150.242
CALAVERAS	22.699	9.445	32.143
COLUSA	172.945	12.554	185.499
CONTRA COSTA	334.561	192.592	527.153
DEL NORTE	19.397	6.485	25.882
EL DORADO	71.581	55.275	126.857
FRESNO	825.054	334.845	1159.898
GLENN	119.093	15.784	134.877
HUMBOLDT	110.425	43.247	153.673
IMPERIAL	294.476	50.576	345.051
INYO	60.179	8.726	68.905
KERN	1805.707	327.426	2133.132
KINGS	232.554	60.857	293.412
LAKE	43.168	16.971	60.139
LASSEN	62.621	28.749	91.370
LOS ANGELES	3963.728	2561.669	6525.396
MADERA	289.884	56.905	346.789
MARIN	84.336	54.112	138.448
MARIPOSA	8.157	5.080	13.237
MENDOCINO	87.511	31.879	119.390
MERCED	511.175	72.722	583.897
MODOC	20.560	11.353	31.913
MONO	32.643	4.680	37.323
MONTEREY	350.702	100.764	451.466
NAPA	57.724	24.702	82.427
NEVADA	124.260	31.574	155.834
ORANGE	1065.183	717.336	1782.520
PLACER	306.359	99.241	405.601
PLUMAS	23.238	13.787	37.025
RIVERSIDE	2149.114	507.060	2656.174
SACRAMENTO	641.711	372.739	1014.450
SAN BENITO	70.923	19.217	90.141
SAN BERNARDINO	2746.137	552.126	3298.263
SAN DIEGO	1345.111	603.621	1948.732
SAN FRANCISCO	44.197	81.254	125.451
SAN JOAQUIN	952.585	223.840	1176.425
SAN LUIS OBISPO	242.209	78.766	320.975
SAN MATEO	229.536	94.806	324.342
SANTA BARBARA	244.499	67.476	311.974
SANTA CLARA	534.224	344.003	878.227
SANTA CRUZ	66.608	42.562	109.170
SHASTA	260.949	67.165	328.114
SIERRA	15.138	4.168	19.306
SISKIYOU	204.728	30.099	234.827
SOLANO	306.744	75.834	382.578
SONOMA	182.894	108.621	291.515
STANISLAUS	429.902	193.904	623.807
SUTTER	60.674	18.749	79.423
TEHAMA	172.803	27.643	200.446
TRINITY	17.811	5.163	22.973
TULARE	526.513	178.629	705.142
TUOLUMNE	29.950	16.881	46.831
VENTURA	306.868	168.340	475.208
YOLO	284.881	52.559	337.440
YUBA	63.110	28.309	91.419
TOTAL	24143.881	9310.950	33454.831

TABLE 4 - 2025 TMT BY COUNTY AND ROAD SYSTEM (MILLIONS)

COUNTY	STATE HIGHWAY	NON-STATE HWY	TOTAL
ALAMEDA	880.456	347.949	1228.405
ALPINE	4.841	0.867	5.708
AMADOR	34.003	8.360	42.363
BUTTE	84.917	80.129	165.046
CALAVERAS	24.935	10.375	35.310
COLUSA	189.986	13.791	203.777
CONTRA COSTA	367.528	211.569	579.096
DEL NORTE	21.308	7.124	28.432
EL DORADO	78.635	60.722	139.357
FRESNO	906.351	367.839	1274.190
GLENN	130.828	17.339	148.168
HUMBOLDT	121.306	47.509	168.815
IMPERIAL	323.492	55.559	379.051
INYO	66.109	9.586	75.695
KERN	1983.633	359.689	2343.322
KINGS	255.469	66.854	322.323
LAKE	47.421	18.643	66.065
LASSEN	68.791	31.582	100.373
LOS ANGELES	4354.296	2814.084	7168.380
MADERA	318.448	62.512	380.960
MARIN	92.647	59.444	152.090
MARIPOSA	8.960	5.581	14.541
MENDOCINO	96.134	35.020	131.154
MERCED	561.544	79.888	641.432
MODOC	22.586	12.472	35.058
MONO	35.860	5.141	41.001
MONTEREY	385.259	110.692	495.952
NAPA	63.412	27.136	90.549
NEVADA	136.504	34.685	171.189
ORANGE	1170.142	788.019	1958.161
PLACER	336.546	109.020	445.567
PLUMAS	25.528	15.146	40.674
RIVERSIDE	2360.879	557.023	2917.902
SACRAMENTO	704.943	409.467	1114.410
SAN BENITO	77.912	21.111	99.023
SAN BERNARDINO	3016.729	606.530	3623.259
SAN DIEGO	1477.653	663.099	2140.751
SAN FRANCISCO	48.552	89.261	137.813
SAN JOAQUIN	1046.449	245.896	1292.345
SAN LUIS OBISPO	266.075	86.528	352.602
SAN MATEO	252.153	104.148	356.301
SANTA BARBARA	268.590	74.124	342.715
SANTA CLARA	586.864	377.900	964.764
SANTA CRUZ	73.171	46.756	119.927
SHASTA	286.662	73.783	360.445
SIERRA	16.629	4.579	21.208
SISKIYOU	224.901	33.065	257.966
SOLANO	336.969	83.307	420.276
SONOMA	200.916	119.324	320.240
STANISLAUS	472.263	213.011	685.274
SUTTER	66.652	20.596	87.249
TEHAMA	189.830	30.367	220.197
TRINITY	19.566	5.671	25.237
TULARE	578.393	196.231	774.623
TUOLUMNE	32.901	18.545	51.446
VENTURA	337.105	184.928	522.033
YOLO	312.952	57.738	370.690
YUBA	69.328	31.099	100.427
TOTAL	26522.914	10228.409	36751.323

TABLE 4 - 2030 TMT BY COUNTY AND ROAD SYSTEM (MILLIONS)

COUNTY	STATE HIGHWAY	NON-STATE HWY	TOTAL
ALAMEDA	972.985	384.516	1357.501
ALPINE	5.349	0.958	6.308
AMADOR	37.577	9.238	46.815
BUTTE	93.841	88.550	182.391
CALAVERAS	27.556	11.466	39.021
COLUSA	209.952	15.241	225.193
CONTRA COSTA	406.152	233.803	639.955
DEL NORTE	23.547	7.873	31.420
EL DORADO	86.898	67.103	154.002
FRESNO	1001.601	406.496	1408.097
GLENN	144.577	19.161	163.739
HUMBOLDT	134.054	52.502	186.556
IMPERIAL	357.489	61.398	418.886
INYO	73.057	10.593	83.650
KERN	2192.097	397.489	2589.587
KINGS	282.317	73.880	356.197
LAKE	52.405	20.602	73.007
LASSEN	76.021	34.900	110.921
LOS ANGELES	4811.899	3109.822	7921.721
MADERA	351.915	69.081	420.996
MARIN	102.383	65.691	168.074
MARIPOSA	9.902	6.167	16.069
MENDOCINO	106.237	38.700	144.937
MERCED	620.558	88.283	708.841
MODOC	24.960	13.782	38.742
MONO	39.629	5.681	45.310
MONTEREY	425.747	122.325	548.072
NAPA	70.076	29.988	100.065
NEVADA	150.850	38.330	189.180
ORANGE	1293.115	870.834	2163.949
PLACER	371.915	120.477	492.392
PLUMAS	28.210	16.738	44.948
RIVERSIDE	2608.988	615.562	3224.550
SACRAMENTO	779.027	452.499	1231.525
SAN BENITO	86.100	23.330	109.429
SAN BERNARDINO	3333.764	670.271	4004.035
SAN DIEGO	1632.942	732.785	2365.728
SAN FRANCISCO	53.655	98.641	152.296
SAN JOAQUIN	1156.423	271.738	1428.160
SAN LUIS OBISPO	294.037	95.621	389.658
SAN MATEO	278.653	115.093	393.746
SANTA BARBARA	296.817	81.914	378.731
SANTA CLARA	648.539	417.614	1066.153
SANTA CRUZ	80.861	51.670	132.531
SHASTA	316.788	81.537	398.324
SIERRA	18.377	5.060	23.437
SISKIYOU	248.536	36.540	285.076
SOLANO	372.382	92.062	464.443
SONOMA	222.030	131.864	353.894
STANISLAUS	521.894	235.397	757.291
SUTTER	73.657	22.761	96.418
TEHAMA	209.780	33.558	243.338
TRINITY	21.622	6.267	27.889
TULARE	639.177	216.853	856.030
TUOLUMNE	36.359	20.493	56.852
VENTURA	372.533	204.362	576.895
YOLO	345.840	63.806	409.646
YUBA	76.614	34.367	110.981
TOTAL	29310.264	11303.335	40613.599

APPENDIX E

STATEWIDE TOTALS

- Table 5 Statewide Vehicle Miles Traveled**
- Table 6 Statewide Vehicle Fuel Consumption**
- Table 7 Statewide Registered Vehicles**
- Table 8 Statewide Vehicle Fuel Economy**

This page intentionally left blank.

Table 5: Statewide Vehicle Miles Traveled

Vehicle-Miles (Billions)

Year	Auto			Truck1			Truck2			Truck3			Truck4			MC	Total
	Gas	Diesel	Total	Gas	Diesel	Total	Gas	Diesel	Total	Gas	Diesel	Total	Gas	Diesel	Total	Gas	
1980	114.885	1.257	116.143	20.745	0.154	20.900	14.029	0.006	14.036	1.496	0.517	2.013	0.121	5.028	5.148	1.801	160.041
1985	143.636	3.533	147.169	28.157	0.680	28.836	15.326	0.929	16.256	1.433	1.131	2.564	0.052	5.626	5.678	1.561	202.065
1990	175.487	2.802	178.289	48.093	0.443	48.536	17.053	1.447	18.500	2.021	2.762	4.783	0.032	6.938	6.970	1.334	258.412
1995	195.267	1.896	197.163	41.273	0.274	41.547	19.682	1.900	21.582	1.914	5.846	7.759	0.020	6.488	6.508	1.100	275.660
2000	218.272	1.387	219.659	41.973	0.100	42.073	23.378	2.414	25.792	1.865	8.193	10.059	0.010	8.141	8.151	0.910	306.643
2005	233.205	1.197	234.401	33.908	0.017	33.925	33.161	3.769	36.931	2.037	9.960	11.997	0.014	8.725	8.740	1.466	327.460
2006	235.155	1.079	236.234	34.082	0.015	34.097	33.403	3.676	37.079	2.126	10.149	12.275	0.016	9.037	9.053	1.444	330.181
2007	239.516	0.998	240.514	34.658	0.014	34.672	33.875	3.625	37.499	2.220	10.369	12.588	0.018	9.369	9.387	1.438	336.099
2008	249.218	0.952	250.169	36.069	0.013	36.082	35.072	3.656	38.728	2.313	10.583	12.896	0.021	9.703	9.723	1.425	349.025
2009	256.141	0.902	257.043	37.118	0.012	37.130	35.839	3.647	39.486	2.393	10.737	13.130	0.022	9.986	10.009	1.422	358.219
2010	262.243	0.859	263.102	38.102	0.011	38.113	36.481	3.630	40.111	2.473	10.882	13.355	0.024	10.273	10.298	1.420	366.398
2015	299.310	0.743	300.053	44.229	0.008	44.237	40.762	3.738	44.500	2.907	11.868	14.775	0.034	12.028	12.062	1.409	417.036
2020	332.226	0.695	332.921	49.319	0.005	49.324	44.527	3.922	48.448	3.290	12.993	16.283	0.040	13.656	13.696	1.409	462.081
2025	363.310	0.700	364.011	53.935	0.004	53.939	48.538	4.233	52.771	3.627	14.220	17.846	0.045	15.043	15.087	1.408	505.063
2030	397.699	0.742	398.441	58.752	0.003	58.755	52.933	4.609	57.542	4.024	15.719	19.743	0.050	16.601	16.651	1.408	552.541

Table 6: Statewide Vehicle Fuel Consumption
Gallons (Billions)

Year	Auto			Truck1			Truck2			Truck3			Truck4			MC	Total
	Gas	Diesel	Total	Gas	Diesel	Total	Gas	Diesel	Total	Gas	Diesel	Total	Gas	Diesel	Total	Gas	
1980	7.607	0.051	7.658	1.450	0.008	1.458	1.253	0.000	1.253	0.208	0.079	0.288	0.025	1.017	1.042	0.036	11.734
1985	8.166	0.138	8.304	1.710	0.028	1.739	1.322	0.047	1.369	0.231	0.174	0.405	0.011	1.108	1.119	0.031	12.966
1990	8.431	0.109	8.540	2.590	0.019	2.609	1.433	0.074	1.506	0.306	0.389	0.695	0.006	1.296	1.302	0.027	14.679
1995	8.803	0.072	8.875	2.200	0.012	2.212	1.539	0.101	1.640	0.271	0.757	1.028	0.004	1.163	1.167	0.022	14.944
2000	9.962	0.051	10.013	2.251	0.004	2.255	1.708	0.134	1.842	0.260	1.030	1.291	0.002	1.413	1.415	0.018	16.834
2005	10.815	0.042	10.858	1.831	0.001	1.832	2.278	0.215	2.493	0.281	1.233	1.513	0.002	1.473	1.475	0.029	18.201
2006	10.916	0.038	10.954	1.835	0.001	1.836	2.274	0.210	2.483	0.292	1.254	1.546	0.003	1.518	1.521	0.029	18.369
2007	11.052	0.035	11.087	1.860	0.001	1.860	2.292	0.207	2.499	0.305	1.279	1.584	0.003	1.567	1.570	0.029	18.629
2008	11.432	0.034	11.465	1.929	0.001	1.929	2.362	0.209	2.571	0.317	1.304	1.621	0.004	1.615	1.618	0.029	19.234
2009	11.683	0.032	11.715	1.979	0.001	1.980	2.404	0.208	2.612	0.328	1.321	1.648	0.004	1.655	1.659	0.028	19.642
2010	11.898	0.030	11.928	2.026	0.000	2.027	2.439	0.207	2.646	0.338	1.337	1.676	0.004	1.696	1.700	0.028	20.005
2015	13.302	0.026	13.328	2.330	0.000	2.331	2.697	0.214	2.910	0.397	1.454	1.851	0.006	1.947	1.953	0.028	22.401
2020	14.617	0.025	14.641	2.585	0.000	2.586	2.934	0.224	3.158	0.449	1.589	2.038	0.007	2.177	2.184	0.028	24.636
2025	15.914	0.025	15.938	2.825	0.000	2.825	3.196	0.242	3.438	0.495	1.738	2.233	0.008	2.368	2.376	0.028	26.839
2030	17.405	0.026	17.431	3.075	0.000	3.075	3.484	0.263	3.748	0.548	1.921	2.470	0.008	2.585	2.594	0.028	29.346

Table 7: Statewide Registered Vehicles

Vehicles (Millions)

Year	Auto			Truck1			Truck2			Truck3			Truck4			MC	Total
	Gas	Diesel	Total	Gas	Diesel	Total	Gas	Diesel	Total	Gas	Diesel	Total	Gas	Diesel	Total	Gas	
1980	11.415	0.090	11.505	2.118	0.010	2.128	1.200	0.000	1.200	0.177	0.021	0.198	0.018	0.127	0.144	0.573	15.748
1985	12.527	0.258	12.785	2.500	0.043	2.544	1.320	0.054	1.374	0.148	0.035	0.182	0.009	0.110	0.119	0.651	17.654
1990	14.720	0.255	14.975	3.666	0.037	3.702	1.471	0.095	1.565	0.182	0.081	0.263	0.005	0.125	0.130	0.606	21.242
1995	15.264	0.189	15.454	3.291	0.030	3.321	1.723	0.132	1.856	0.160	0.165	0.325	0.002	0.101	0.103	0.500	21.559
2000	16.821	0.150	16.971	3.389	0.018	3.407	1.852	0.173	2.025	0.149	0.232	0.381	0.001	0.126	0.127	0.414	23.326
2005	18.598	0.140	18.738	3.059	0.009	3.068	2.351	0.264	2.614	0.150	0.296	0.446	0.001	0.136	0.137	0.667	25.669
2006	19.007	0.131	19.138	3.130	0.008	3.138	2.408	0.266	2.674	0.151	0.302	0.454	0.001	0.138	0.139	0.656	26.199
2007	19.412	0.123	19.535	3.200	0.008	3.208	2.465	0.268	2.734	0.153	0.309	0.462	0.001	0.140	0.141	0.654	26.733
2008	19.792	0.115	19.907	3.266	0.007	3.273	2.519	0.269	2.789	0.155	0.314	0.469	0.001	0.142	0.144	0.648	27.229
2009	20.155	0.108	20.263	3.328	0.007	3.335	2.571	0.271	2.842	0.157	0.319	0.476	0.001	0.144	0.146	0.646	27.708
2010	20.528	0.101	20.630	3.393	0.006	3.399	2.624	0.272	2.896	0.159	0.325	0.484	0.001	0.146	0.148	0.645	28.201
2015	22.550	0.078	22.628	3.736	0.004	3.740	2.907	0.280	3.187	0.173	0.353	0.526	0.001	0.158	0.160	0.640	30.880
2020	24.543	0.066	24.608	4.071	0.003	4.074	3.180	0.292	3.472	0.189	0.380	0.568	0.001	0.171	0.172	0.640	33.535
2025	26.452	0.060	26.512	4.392	0.002	4.393	3.437	0.306	3.744	0.204	0.406	0.610	0.002	0.183	0.184	0.640	36.084
2030	28.502	0.059	28.561	4.734	0.001	4.735	3.709	0.326	4.035	0.221	0.435	0.655	0.002	0.196	0.198	0.640	38.824

Table 8: Statewide Vehicle Fuel Economy

Miles Per Gallon

Year	Auto			Truck1			Truck2			Truck3			Truck4			MC	Total*
	Gas	Diesel	Total*	Gas													
1980	15.103	24.773	15.167	14.308	18.981	14.334	11.200	20.620	11.202	7.179	6.512	6.995	4.787	4.945	4.941	50.000	13.638
1985	17.590	25.527	17.722	16.466	23.844	16.587	11.593	19.897	11.876	6.205	6.493	6.329	4.760	5.079	5.076	50.000	15.584
1990	20.814	25.766	20.877	18.567	23.912	18.605	11.902	19.645	12.280	6.603	7.109	6.886	5.245	5.353	5.352	50.000	17.605
1995	22.182	26.264	22.215	18.759	23.254	18.783	12.790	18.872	13.164	7.069	7.718	7.547	5.661	5.576	5.577	50.000	18.446
2000	21.910	27.303	21.937	18.644	23.591	18.654	13.691	17.985	14.004	7.161	7.953	7.793	5.693	5.760	5.760	50.000	18.215
2005	21.562	28.205	21.588	18.518	23.574	18.520	14.555	17.545	14.812	7.259	8.080	7.928	5.767	5.924	5.924	50.000	17.991
2006	21.543	28.249	21.567	18.571	26.633	18.573	14.691	17.530	14.931	7.271	8.092	7.937	5.776	5.954	5.954	50.000	17.975
2007	21.672	28.313	21.693	18.637	24.000	18.639	14.779	17.520	15.006	7.284	8.105	7.947	5.785	5.979	5.979	50.000	18.042
2008	21.800	28.364	21.820	18.701	24.000	18.702	14.847	17.513	15.063	7.290	8.118	7.956	5.795	6.009	6.008	50.000	18.147
2009	21.924	28.598	21.942	18.755	24.000	18.757	14.910	17.511	15.117	7.302	8.131	7.966	5.799	6.034	6.033	50.000	18.238
2010	22.041	28.616	22.057	18.804	24.000	18.805	14.960	17.509	15.160	7.308	8.137	7.970	5.804	6.058	6.058	50.000	18.316
2015	22.502	28.482	22.513	18.980	24.000	18.981	15.115	17.504	15.290	7.327	8.162	7.983	5.827	6.178	6.177	50.000	18.617
2020	22.729	28.354	22.738	19.077	24.000	19.077	15.174	17.499	15.339	7.333	8.175	7.990	5.836	6.272	6.271	50.000	18.756
2025	22.830	28.320	22.839	19.090	24.000	19.091	15.186	17.500	15.349	7.333	8.181	7.993	5.846	6.352	6.350	50.000	18.819
2030	22.849	28.320	22.858	19.106	24.000	19.106	15.192	17.500	15.354	7.339	8.181	7.994	5.846	6.421	6.419	50.000	18.829

GLOSSARY

Corporate Average Fuel Economy (CAFE): the required average fuel economy for a vehicle manufacturer's entire fleet of passenger cars and light trucks for each model year. It applies to passenger cars and light trucks with a gross vehicle weight rating (GVWR) of 8,500 pounds or less manufactured for sale in the United States. CAFE values are obtained using the same test data generated by the fuel economy tests used to determine the fuel economy estimates for the Guide and labels, but the test results are not adjusted to account for real-world conditions. Instead, the results from the city and highway tests are combined. EPA administers the testing program, which generates the fuel economy data and determines the procedures for calculating the fuel economy values for CAFE. The National Highway Traffic and Safety Administration (NHTSA), which is part of the Department of Transportation is responsible for establishing and amending the CAFE standards for trucks. Congress sets the CAFE standards for cars. EPA reports the CAFE results for each manufacturer to NHTSA annually, and NHTSA determines if the manufacturers comply with the CAFE standards and assesses penalties as required.

Vehicle Body Types: The motor vehicle fleet is stratified into six classes by body type as follows:

- AUTOS AUTOS include all passenger vehicles registered as regular autos and station wagons
- TRUCK1 TRUCK1 includes all Truck Gross Vehicle Weight Class 1 trucks (GVW 0 to 6,000 pounds)
- TRUCK2 TRUCK2 includes all Truck Gross Vehicle Weight Class 2 trucks (GVW 6,001 to 10,000 pounds)
- TRUCK3 TRUCK3 includes trucks of Truck Gross Vehicle Weight Class 3 (GVW 10,001 to 14,000 pounds), 4 (GVW 14,001 to 16,000 pounds), 5 (GVW 16,001 to 19,500 pounds), 6 (GVW 19,501 to 26,000 pounds), and 7 (GVW 26,001 to 33,000 pounds)
- TRUCK4 TRUCK4 includes all trucks of Truck Gross Vehicle Weight Class 8 and above (GVW 33,001 + pounds)
- MC MC includes all registered motorcycles, which excludes motorbicycles and off-road motor-powered bikes.

Vehicle Fuel Consumption (VFC): Total fuel consumed by all vehicles during selected time period in geographic segment.

Vehicle Miles Traveled (VMT): Total distance traveled by all vehicles during selected time period in geographic segment.